

Manufacturers Record

Exponent of America



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An Open Letter to Readers North, South and West.

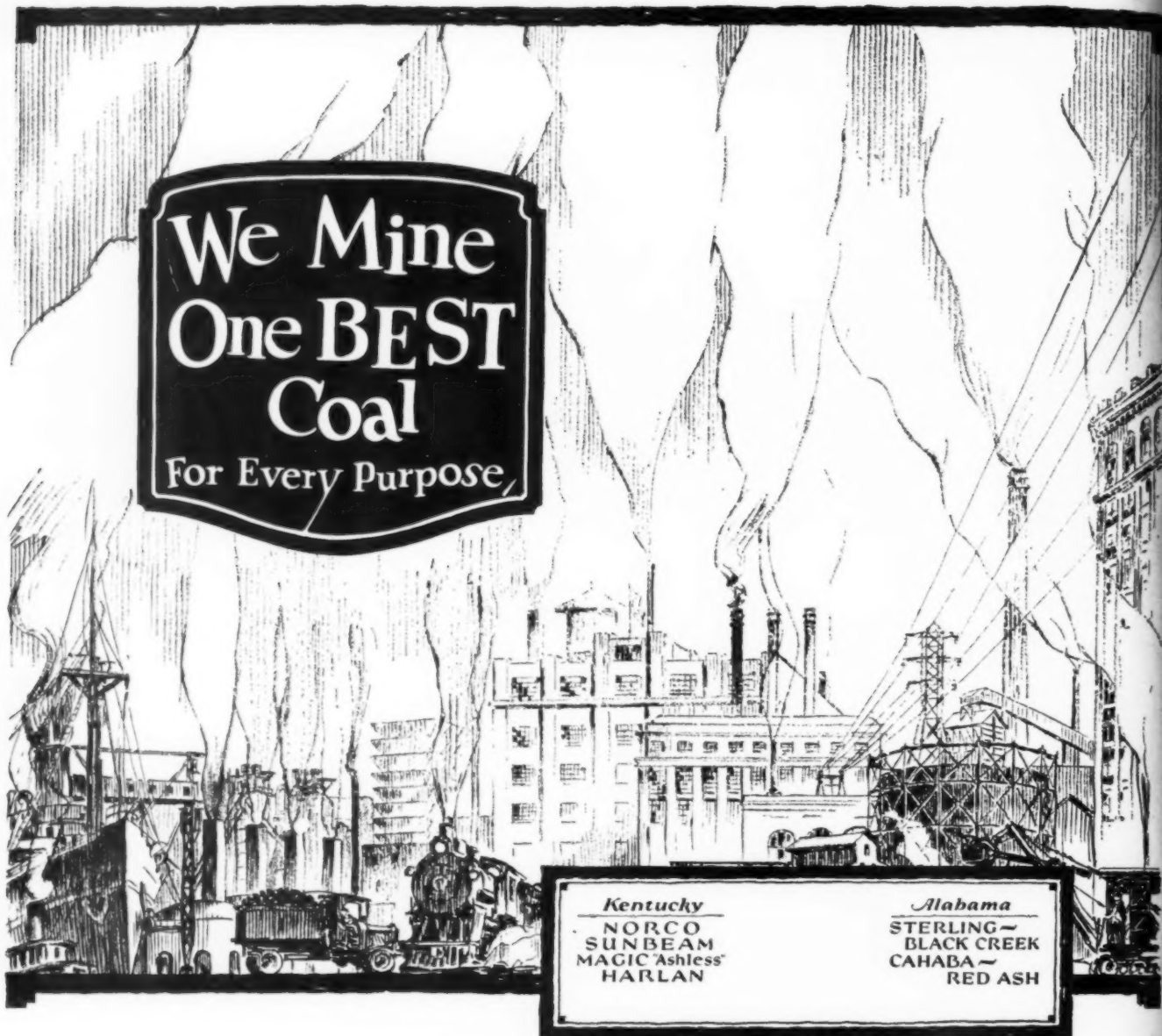
The South is becoming an immense consuming market for every variety of manufactured products from pins and needles to locomotives and steamships, products for the home and for the farm, equipment for the factory and the mine, material for the skyscraper office building and hotel, a market for road machinery and for everything else which enters into the work of great creative, constructive upbuilding. It is likewise becoming a market for securities of all kinds, for increasing wealth is making the South a buyer of stocks and bonds, as well as a seller of county, municipal and state bonds, railroad securities and of business corporations generally.

Without a careful study of this situation no one can rightly measure the possibility of trade offered by this development of the South. Vitally important, therefore, is it for the business men of the North and West to have immediately at their command complete facts and figures which tell the story of the progress of every individual state, of practically every industry, and which indicate something of how far the growth of the future may be expected to surpass all that has yet been seen in the South.

This whole situation will be broadly and comprehensively covered in the Blue Book of Southern Progress of 1926, which will contain about 350 pages. It will be the most comprehensive Blue Book we have ever issued. The price will continue as heretofore, notwithstanding the increased size, at 50 cents per copy. No banking or business house in America can afford to be without the vast fund of information it will contain.

While emphasizing as strongly as possible to Northern and Western people the necessity of having in their offices a copy of that publication, we would also point out that every Southern home, every Southern office which does not have a Blue Book on its table or in its library will be recreant to itself and to the South. If a million copies of the Blue Book of 1926 could be distributed throughout the country, the awakening already seen in Florida would be fully duplicated in every state in the South, and the rush to take part in Southern upbuilding would surpass by far the activity seen in the central West when that great region was first opened up on a large scale by the building of railroads and through the heavy rush of men and money.

The Blue Book will be ready for distribution in the spring as heretofore. It will be liberally illustrated by building, factory and farm scenes. Its story of Southern resources and Southern opportunities will mark an epoch in Southern life. Advance orders for less than ten copies should be accompanied by check or money order to save bookkeeping details. For bulk orders the prices are as follows: 500 to 1000, 40 cents each; 1000 or more, 30 cents each.



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Manufacturers Record

EXPONENT OF AMERICA

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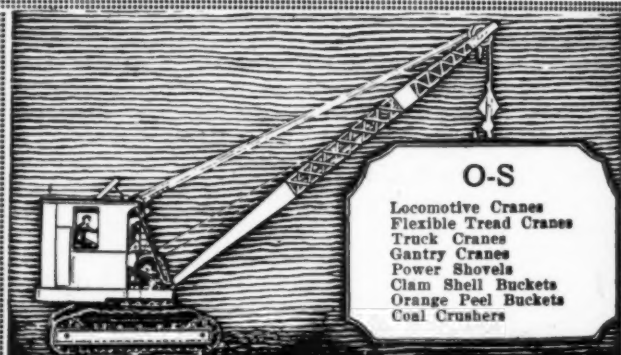
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Manufacturers Record

EXPONENT OF AMERICA

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of the South and Southwest as the Nation's Greatest Material Asset

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Vol. LXXXIX No. 9
Weekly

BALTIMORE, MARCH 4, 1926.

{ Single Copies, 20 Cents.
\$6.50 a Year.

The Sweep of Industrial and Railroad Activity in the South.

ON March 20, according to the present schedule, one of the most remarkable events, probably the most remarkable, in the history of shipbuilding throughout the world will take place in Virginia. It will be the launching, almost simultaneously, by the Newport News Shipbuilding & Dry Dock Co.—the greatest concern of its kind in America—of nine great ships and the laying of the keels for three others.

One of the interesting features of this event is that some of the ships to be launched, and some for which keels are to be laid, are for great ship-owning companies and great yacht-owning individuals in New York. They have turned away from the shipbuilding plants of the East and given their contracts to the Newport News yard, and the ship-owning companies which have done this have been pursuing that policy for some years. They have evidently found that a lower price, or on more satisfactory conditions than prevail anywhere else in America, they can have their giant steamships built at Newport News.

This is a tribute to the South and to Southern men and Southern energy which deserves serious consideration on the part of the people of the whole country. President Ferguson is a native of North Carolina. A very large proportion of all the workmen in the plant are Southern men. They have met every possible test that could be put to such a plant in the building of some of the nation's largest battleships and in the building of many of the greatest passenger and freight steamers ever constructed in this country, just as the company was successful against all bidders in the reconstruction of the Leviathan, the largest ship that floats.

The expenditure of from \$10,000,000 to \$15,000,000, now under way, on the plant of the Tennessee Coal, Iron & Railroad Co. at Birmingham, a subsidiary of the Steel Corporation, serves to indicate still further progress in the development of that particular industry and of the whole South. This plant, since it was enlarged by the Steel Corporation, has been under the management of George Gordon Crawford, a native of Georgia and the first graduate of the Georgia School of Technology. Among the iron and steel people of the country Mr. Crawford is universally regarded as one of the foremost metallurgists of America, as well as one of the ablest executives in business management.

Recently the White Furniture Company of Mebane, N. C., one of the rapidly expanding industries of that state, put in a bid for hotel equipment for a Grand Rapids hotel in competition with the furniture manufacturers of Grand Rapids. Based on quality and on price, the contract, to the dismay of the Grand Rapids furniture people, was given to the North Carolina concern, and thus a North Carolina furniture indus-

try is pushing its product into the very heart of Grand Rapids and capturing the business on merit, and merit alone.

The McClaren Rubber Company of Charlotte has established such a reputation for its automobile tires that it is even invading the Pacific Coast field and recently received an order for 1000 tires from a company operating a fleet of buses on the Coast.

A few years ago a man named Pappy established in Daytona, Fla., a small plant for putting up guava jelly. Later on S. C. Archibald, formerly one of the managers of the sales force of Procter & Gamble, became identified with the industry. From putting up guava jelly the company turned to watermelon preserves, buying the watermelons in carload lots, and, of course, using only the rind, which makes a preserve unsurpassed, according to the testimony of everybody who tries it. Now that industry is so widely recognized that a recent traveler on an English steamship, seeing Pappy's jelly on the dining table, made some inquiry and was told that it was the best guava jelly that they could find, and it was used on all the ships of that line wherever they sailed. The industry is spreading so rapidly, and the product of the factory is being pushed by many of the foremost grocery houses catering to exclusive trade in New York, Boston and elsewhere to such an extent that the company has found it necessary to build a large plant at Jacksonville; this is now under way.

Another industry of a somewhat similar character near Daytona is that of F. B. Nordman, Jr., who, owning a small orange grove a comparatively few years ago, commenced to put up in his kitchen conserved orange and grapefruit rinds, which make a most delicious confection. His business has grown until now he has a large plant and his trade extends all over the United States. In addition to the orange and grapefruit conserves, he puts up conserved figs and other products, and has a standing order in that section for all the figs that can be produced.

Running thus from these once small and almost insignificant industries of jellies and conserved fruits to great steel plants and to the biggest shipyard in America is a range of industries indicative of the diversity of things being done all over the South. They give encouragement to people of all classes, for where the giant shipyard or steel plant cannot be established, there may be the opening for a fruit-canning plant or a fruit-conserving industry. Small at the beginning, if rightly pushed it may develop as those we have mentioned into an industry of commanding importance, sending its product to every part of this country, and in many cases to foreign lands.

These particular developments are mentioned merely as

indicative of the progress the South is making in practically every line of human activity. Its cotton mills are growing steadily and rapidly. Its rayon plants are becoming a dominant factor in its industrial life. Its furniture industry, not only in Carolina but out in Arkansas and at some other points, utilizing Southern woods and Southern labor, is capturing the market, and its product is shipped to places as widely distant as the Pacific Coast on one side and Africa on the other.

The increase in the home and foreign consumption of Southern iron and steel has reached a point where additional furnaces will probably have to be built to take care of this expanding business. Down the line of industries one might run and everywhere find evidence of progress in big and little enterprises—the big ones which come full-grown into action, the little ones which become the forerunners of the great plants, often built out of the profits of the little ones.

Railroad expansion in the South is on a scale greater than that of any other part of the country, and the advance in railroad security values has been one of the most remarkable movements in the stock market of New York during the past twelve months or more. There is under way a great movement—it almost might be called a gigantic movement—for voluntary combination of some of the big railroads of the South. The Atlantic Coast Line has been spreading out rapidly and has just bought the Atlanta, Birmingham & Atlantic following the remarkable activity of the Seaboard Air Line in building new roads and in extending its system in Florida, Georgia and Alabama.

The recent combination of the Frisco and the Rock Island, making an aggregate of about 13,000 miles, now the largest single railroad system in the United States, means that so far as can now be seen Pensacola is the one Gulf outlet for that vast aggregation of railroad traffic. Back of Pensacola, to which the Frisco is now building its line, there stretches out into the West and Southwest this tremendous 13,000 railroad mileage which must inevitably pour an immense traffic through that city. The Atlantic Coast Line and the Louisville & Nashville, and the other roads controlled by Mr. Henry Walters, will, it is understood, be compacted into a single system, which in mileage will just about equal that of the Frisco, possibly slightly exceed it.

All of these movements are suggestive of that nation-wide awakening to the South and its resources, to the progress which the South is now making and to that still greater progress of which the present is only a harbinger. This section is rounding out its railroad systems, its industrial interests, and is getting ready for that influx of men and money which will here find the largest field of activity and of prosperity this country has ever known. It is a great story that is being unfolded, one to stir the imagination and quicken the pulse, as one thinks of how the poverty of the past is giving way to the abounding prosperity of the present; how diversified agriculture, dairying, ice-cream making and kindred activities are beginning to change the farm life of the South and put the farming business in a healthier condition both for money making and for home making for the farm people.

All over the South these signs of progress are seen. Everywhere things are beginning to hum, but the humming will be many times greater as the wheels begin to revolve more rapidly and developments move forward with increasing momentum under the stimulation in the South and in the interest of the whole nation as to the future of the South.

IN reading that the daughter of a "rubber king" in Java wore a bridal gown of banknotes, American purchasers of rubber goods may feel that they contributed at least the trimmings.

COTTON CREATED POVERTY.

REFERRING to the failure of a bank in Crowley, La., a correspondent of the MANUFACTURERS RECORD writes:

"Behind the failure was the old, old story—loans to farmers, and two consecutive bad crop years. Wherever cane can be grown abundantly the Louisiana farmer stakes all on this one crop, regardless of supply and demand and competition. In the rice-growing section, rice is planted to the exclusion of everything else. They need crop diversification here as badly as do the cotton growers of the Southeast; or worse, because they meet more foreign competition."

Failures of farmers, or of banks catering to farmers, rarely occur where there is a well-adjusted diversified agricultural situation, but failures are of constant occurrence wherever farmers concentrate on one crop, whether it be cotton or sugar or rice or wheat or corn.

Diversification is essential to prosperity as well as to safety itself. The farmer who has only one crop upon which to depend may be prosperous in one year, but on the basis of averages he is bound to lose out. There are some difficulties in the way of wide diversification of agriculture, but the problem can be solved in this country as it was in Denmark, as it has been solved in Wisconsin to a remarkable extent, and as has been done in Maryland and Pennsylvania and other states where diversified farming and a home market created by industries make it possible for farmers to meet even adverse years and weather the storm.

Rice is a splendid crop, but rice growing as a specialty, like sugar as a specialty, without proper attention to diversification will in the long run bring the same kind of depression and poverty which cotton growing has always been responsible for.

The old cry that "Cotton is King" might have been changed to read, "Cotton is King" of poverty wherever it rules the mental and physical activity of farmers, thus causing them to bow down in worship at the throne of poverty on which King Cotton sits.

WHERE BUYER AND SELLER MEET.

AN interesting illustration of the value of the MANUFACTURERS RECORD in drawing industries to the South, and at the same time in furnishing a marketing place where all buyers and sellers of machinery can meet through our Construction Department, is given in a letter from the T. Atlee Penn Company of Mt. Vernon, Ohio.

Writing under date of February 16, the company gives full information in regard to the establishment of its main plant at Ball Ground, Ga., with sales offices and warehouse in Knoxville, Tenn., and a list of material that will be needed in the establishment of this plant. The letter follows:

"Our final plans are now completed and we will let all contracts within the next two weeks. We will maintain sales offices and warehouse in Knoxville, Tenn., with main plant at Ball Ground, Ga. We have spent months in investigating different Southern locations, and it has been a hard job to decide.

"If you care to do so you might make a note of the following articles and material that we need at once. We received many answers from the last articles you listed and it saved us time and money and helped us considerably:

"New or used printing presses, job and a small newspaper press (print sheets size of newspaper pages), paper cutters, etc.; also electric motors, heating plant, brick, etc.

"We also want to place contract for brick building, 200 by 100, 2 stories, concrete floors (possibly concrete first floor, wood second); first floor 15 feet to ceiling, second floor 13 (plans on request); also 2 steel buildings, 50 by 100 by 10.

"Conveyors for bottles, boxes, etc.

"Put address on the above as follows: Building Committee, T. Atlee Penn Company, Knox Works, Mt. Vernon, Ohio.

"We also want a full line of office equipment."

How to Create an American Potash Industry Equal to Our Needs.

THE reintroduction of the Sheppard Potash bill in the United States Senate inspires renewed hope that the present Congress may take some action to promote the development of an American potash industry and thereby terminate the present deplorable state of American dependence on a foreign source of an agricultural and industrial essential.

This bill was introduced in the Senate at the last session by Senator Morris Sheppard of Texas. Its purpose, as indicated by its title, "Authorizing joint investigations by the United States Geological Survey and the Bureau of Soils of the United States Department of Agriculture to determine the location and extent of potash deposits or occurrence in the United States and improved methods of recovering potash therefrom," so commended itself to the Senate that it passed that body by acclamation. It was then referred to the House Committee on Mines and Mining, where, in the absence of adequate support, it failed to be reported out. It is again before the Senate and now bears the number S-1821.

This bill provides for a joint appropriation for work to be conducted separately by the Geological Survey of the Department of the Interior and the Bureau of Soils of the Department of Agriculture. It proposes an appropriation of \$500,000 for five years for explorations by the Geological Survey, particularly in the Southwest in areas where subterranean deposits of segregated potash salts already have been discovered, and \$50,000 for the same period of time for the Bureau of Soils for more extended investigation of the technology—the chemical-engineering details—of extracting potash from the potash minerals already discovered and the industrial wastes already surveyed.

Announcements have already been made of the discoveries of crystalline potash salts in certain strata associated with the great salt deposits underlying large areas in the Southwest. These strata have been penetrated at numerous points, but the data to date are mostly qualitative in nature, since they have had to depend on the results obtained in oil drilling where churn drills are employed and where the saline material recovered has been badly mixed and leached and diluted with water. What is required for exact information concerning these deposits is core drilling, conducted systematically with potash discovery as the objective—a moderately expensive and somewhat localized activity, but one offering a rich reward in which the whole nation will participate if results are affirmative.

There is unmistakable evidence that potash salts are here present. It is imperative that the nation be informed as to their commercial value. It would be too much to expect private capital to embark on an enterprise involving the expense and uncertainties here represented. If it is to be done adequately and promptly, it is manifestly an enterprise to be undertaken by the public.

Surveys already completed show that America possesses other potash resources potentially capable of supplying all the potash required by the agricultural industry for an indefinite period, awaiting only the development of the technology of their economic processing. Researches to this end are already being conducted in the Bureau of Soils, on a restricted scale, however, and it is to provide for their greatly enlarged scope and more aggressive prosecution that the appropriation of \$50,000 is contemplated.

Three classes of materials are included among these potash-bearing materials: (1) Industrial wastes obtainable in many states, such as blast furnace and cement dusts, beet-sugar residues and distillery waste; (2) natural brines, of

Nebraska, Utah, Nevada, Texas and California; (3) deposits of potash minerals, such as the greensand marls of New Jersey, Delaware, Maryland and Virginia, the alunites of Utah, the leucites of Wyoming, the potash shales of Georgia, and the feldspars of the New England, Appalachian and Rocky Mountain states.

In the aggregate, these represent enormous supplies of potash, but the economic recovery of potash therefrom depends on the recovery simultaneously of other products to share the cost of processing. Success to date with some of these materials offers the hope that all of them may be made to contribute their quota to a great, diversified, widely distributed and economically stable American potash industry.

Were the potash conserved which is now thrown away annually as a waste material of the blast furnace and cement industries, the farmers' present requirements would be supplied. Here is already realized the condition above imposed, that other products be yielded to share the costs, and apparently little now remains to be done to demonstrate the economic feasibility of potash production in these industries and to bring about this great conservation.

Potash is the only one of three essential ingredients of fabricated fertilizers for which America is still dependent on foreign sources. While we are exporting a surplus of both phosphates and ammoniates—although we still import some nitrates—we produce only 10 per cent of the potash we use and still import 90 per cent of it from Europe.

The agricultural use of potash in this country, represented by an expenditure on the part of the farmer of about \$20,000,000 annually, and essential to the successful growing of several staple crops, is increasing in importance through the rapid spread in fertilizer usage in the great agricultural states of the middle West. It is important that this development be promoted through an increase in the supplies of cheap potash, since it represents the conservation of soil fertility, a most important consideration, and functions as a labor-saving device, affording increased production per unit of labor and per unit of land under cultivation.

In 1910 President Taft in special message called the attention of the Congress to America's dependence on Germany for all the potash used in our fertilizer and chemical industries, and as the result Governmental surveys of American potash resources were inaugurated. Wartime embargoes and blockades reduced these American industries to such straits that the price of potash soared 1000 per cent. Under the impetus of such prices and of the vital necessities thereby connoted an emergency potash industry was developed of a production capacity of approximately 50 per cent of our normal requirement.

With the restoration of commercial relations with Germany, however, European potash was again offered in the American market at such prices as to force the new American industry for the most part—with important exceptions, however—out of existence. American inability to meet the situation was due, it appears evident, to the lack of time sufficient for the American producers to gain a thorough understanding of the best technology of extracting potash from their respective raw materials. The emergency demanded production and afforded little opportunity for research. With the demoralization of the industry by foreign competition, the incentive—as well as the funds for research by private enterprise—has ceased to exist.

The cause promoted by President Taft has now been

espoused by Secretary Hoover, who has again and again, in recent public utterances, given voice to eloquent protest against the continued exploitation of America by foreign monopolists controlling potash, rubber, sisal and other essential commodities. He has become the leader of that large group who, in the name of American economic independence, have consistently advocated the establishment of American control over all raw materials essential to the major American industries.

Our severe wartime experiences, when supplies of potash were entirely cut off, taught us the wisdom of rendering the basic fertilizer industry—and through it the American farmer—free from the menace of a like experience in the future. This menace can be removed only through the development of an American potash industry of such size and strength that it can, in times of peace, dictate the price at which potash is to be sold in the American market and, in times of war, expand promptly to such a production that a potash famine cannot again arise.

AUTOMOBILE TRAVEL TO FLORIDA.

FRANK BROWN, Clerk of the Circuit Court, Jacksonville, Fla., who keeps the record of automobiles passing south over the St. Johns River Bridge at Jacksonville, furnishes the MANUFACTURERS RECORD a detailed report for January of the number of cars from different states, with the number of passengers carried, going south over that bridge. The figures are extremely interesting. They show that even during January, when the heavy rush of the fall and early winter months is over, there were 10,272 cars southbound over the Jacksonville Bridge carrying 39,931 passengers. New York led, with Georgia a close second, while from far-away California there were 291 cars with 1170 passengers.

The figures by states as to the number of cars and passengers are as follows:

TOURIST CARS AND PASSENGERS, SOUTH BOUND, OVER JACKSONVILLE-ST. JOHNS RIVER BRIDGE, JANUARY, 1926.

From	Cars	Passengers
Alabama	326	1,328
Arizona	11	38
Arkansas	36	143
California	291	1,170
Colorado	60	239
Connecticut	121	489
Delaware	59	240
Georgia	1,034	3,561
Idaho	4	10
Illinois	484	1,967
Indiana	287	1,135
Iowa	15	64
Kansas	49	193
Kentucky	241	970
Louisiana	72	278
Maine	140	583
Maryland	200	836
Massachusetts	509	1,924
Michigan	336	1,346
Minnesota	39	156
Mississippi	92	366
Missouri	124	456
Montana	15	59
Nebraska	78	350
Nevada	4	13
New Hampshire	201	861
New Jersey	589	2,339
New York	1,145	3,971
North Carolina	493	1,963
North Dakota	9	37
Ohio	479	1,846
Oklahoma	122	475
Oregon	9	33
Pennsylvania	567	2,311
Rhode Island	31	124
South Carolina	699	2,833
South Dakota	8	27
Tennessee	249	1,033
Texas	133	548
Utah	3	7
Vermont	85	340
Virginia	300	1,166
Washington	4	16
West Virginia	234	905
Wisconsin	93	398
Wyoming	29	105
Canada	50	213
District of Columbia	113	466
Totals	10,272	39,931

HURRAH FOR MISSISSIPPI!

TO the people of Mississippi and, indeed, of the entire South, the MANUFACTURERS RECORD extends its heartiest congratulations for the magnificent work which has been done by the Governor and the state legislature in a state-wide bill to eliminate the cattle tick which has so long retarded the full development of the magnificent dairying and cattle-raising possibilities of that state. Likewise, we extend to both the state and to the South congratulations upon the other legislation which Mississippi has passed and which should stimulate every state in the South to take from its statute books every law which militates against the progress of the state.

In a good many Southern states there is still much adverse legislation which makes capital a little timid about investing in those states. Mississippi has not completed the task, but it has made a good beginning in some legislation in addition to that of the elimination of the cattle tick, and every other state should make certain of such legislation as will completely and forever destroy the cattle tick as one of the curses of Southern states still subject to that handicap against the development of the cattle and the dairy industry. If all the Southern states, when the cattle tick first made its visit to this section, had persistently fought to destroy it, the cattle industry—and hence diversified farming—would have been far ahead of what it is at present.

The cattle tick has been a tremendous handicap under which the raising of high-bred cattle in a considerable portion of the South has been heavily handicapped, and Mississippi has long been one of the recalcitrant states as to a large number of counties. It has now wisely made a state-wide law on the subject as shown in the following:

[Telegram to Manufacturers Record.]

Hattiesburg Miss., February 28.

The signing of the state-wide Stock Law bill by Governor Whitfield completes one of the most progressive pieces of legislation undertaken by Mississippi in years. This means the eradication from the state of the cattle tick, which has been the only obstacle to the development of the dairy industry in south Mississippi.

Due to its superior natural advantages of mild climate, long growing seasons, cheap, productive and well-watered land, Mississippi already has shown greater increase in the production of dairy products than almost any other state in the Union. So rapid and substantial has this development been that the Borden Milk Company has built a large plant at Starkville that will be formally opened on March 10. Mississippi's goal: "The leading dairy state in the Union within five years."

T. C. HANNAH.

Supplementing the foregoing, Mr. Hannah writes as follows:

"The Mississippi Legislature is making history for our dear old state.

"The legislature has passed, and the Governor has signed, a bill exempting stocks and bonds in foreign corporations from taxation. The legislature has also passed, and the Governor has signed, a bill providing for abating the \$12,000,000 anti-trust suit against the Ford Motor Company, and other progressive measures are now on the legislative calendar.

"It does not appear probable that the Inheritance Tax will be repealed, but the exemptions will be increased from \$10,000 to \$25,000.

"Our greatest drawback has been the wrong kind of publicity. It is not my purpose to criticize the newspapers, but I have been impressed with the fact that they have featured

the bad things in our state without giving like publicity to the good things.

"For instance, when the \$12,000,000 anti-trust suit was filed against the Ford Motor Company, it occupied front-page space in the boldest type in practically all the newspapers in the state. The suit was abated by the Governor signing the Act of the legislature a day or two ago. It did not even find front-page position with a number of our state papers, and in others got hardly more than one-column space.

"This same attitude has characterized the publicity given to other matters. I was very much impressed with an editorial that appeared in the MANUFACTURERS RECORD last October with reference to the course that the Florida papers had pursued for years preceding the present wonderful development that is going on in that state.

"If we can only secure the same publicity for the good things in our state that we have been securing for the bad ones, Mississippi will not be long in taking the rank she deserves in progress and development—that is, first place."

MANY MINISTERS WORKING FOR THE HELL-BREWED ACTIVITIES OF RUSSIA.

A COTTON manufacturer of New England, referring to the pamphlet recently published by this paper entitled "Cotton-Mill Labor Conditions in the South and New England," states that he gave his copy while on the train to the president of the University of Kentucky and asks that another copy be sent him. Further discussing the question raised in that pamphlet, he said:

"I read the pamphlet with a great deal of interest, and will say that the facts outlined bear out the impressions that I had received in my own observations of conditions in both the South and New England. * * *

"You must know that many of the officials of our leading denominations are lending themselves, wittingly or unwittingly, to furthering those propagandists' movements which are finding their origin and propelling purpose in the Third International of Moscow. This is especially true of the Youth Movement, which is now running through both our colleges and church organizations; the movement against supporting the Government in time of war, and many other similar organizations which are officered and controlled from the same sources. The ——— denomination has been particularly forward in this regard, and that against the best judgment of some of its leading laymen. I admire the stand that you have taken and the endeavor you are making to get properly before the public the real facts concerning these matters."

This widely informed New England man has touched a sore spot in the religious work of this country. To an entirely too great extent, many ministers of the Gospel are really active propagandists for the Bolshevik campaign which Russia is pushing through the world. They may not realize it, but nevertheless, instead of preaching the Gospel of Christ, they are running after fads of one kind or another, advocating in the pulpit and in many religious papers the rankest kind of doctrines which are coming fresh from the hell-brewed activities of Russia.

These ministers of the Gospel are swallowing the doctrines which are being put forth by the Soviet Government, despite the fact that the Soviets are doing their utmost to destroy Christianity and to proclaim that there is no God, and all their work is being carried on with that definite purpose in view. Notwithstanding that well-known fact, many ministers in this country, forsaking the preaching of the Gospel of Christ, are falling, wittingly or unwittingly, into the trap which the Bolsheviks are setting. Under such conditions it is not to be wondered that many men, religious at heart, are remaining away from church connections or from attendance upon the preaching of the Gospel.

The denomination to which this New England man refers and of which we presume he is a member, is one of the largest in the country, and many of its ministers, like those of other denominations, are guilty of doing exactly what he has said.

GEORGIA COTTON FARMERS URGED TO RAISE CROPS OF HIGHER GRADE AND RESTORE THEIR REPUTATION.

WITH the object of encouraging the farmers of Georgia to improve the quality of cotton which they raise, the Georgia Bankers Association is sending out through its agricultural committee, H. M. Cottrell, agriculturist, to every bank and every hardware company in that state a poster headed, "Whatsoever a Man Soweth That Shall He Also Reap," this together with a letter written by George S. Harris, president of the Cotton Manufacturers Association of Georgia. Accompanying each poster is a request to the recipient that it be put up where customers will read it. At the top of the poster a reproduction of a photograph shows several bolls of one-inch staple cotton grown last year on the M. H. Sikes Seed Farm, near Cadwell, Laurens county, Georgia, and below attention is called to the statement that ten years ago cotton grown in north Georgia brought a premium of a cent a pound, or \$5 a bale, because of its high quality and good staple, uniform in length, but that Georgia cotton has been selling for several years at a discount of one to one and a half cents a pound, or \$5 to \$7.50 a bale, because of defects found by spinners, such as short or mixed staple in the same bale and weak staple.

As a result, it is further stated, Georgia mills have had to buy in other states one-fourth of the cotton they have used and that the proportion bought outside is steadily increasing. The poster further says that the inferior staple of a high per cent of the cotton raised in Georgia has been caused by the growers planting small-bolled so-called early varieties that have been mistakenly thought would amply yield more when boll weevil attacks were serious.

To offset this it is further noted that repeated tests made by the Georgia State College of Agriculture, and confirmed in Georgia and other states by hundreds of large growers of cotton, show that medium early large boll cottons with a uniform staple of about one inch give higher yields of lint and greater cash value of the crop than the varieties producing inferior staple. Also, that as early as December of this winter buyers for Georgia cotton mills were paying \$10 a bale premium for a good grade of one-inch staple, and they had to go out of the state to find most of this staple that they needed. Growers are told that the College of Agriculture will aid them to obtain good and proper seed for their lands in order to raise the best crops.

The letter written by President Harris of the Cotton Manufacturers Association of Georgia says that inferior cotton means an aggregate loss of value of this year's crop of \$7,000,000. He commends the work which the Bankers Association is doing, and says that cotton producers must realize that community co-operation is necessary; that one or more negligent producers in a community will depress their market, and unless all producers supplying the same market improve their quality it is impossible for the thrifty producer to secure proper value for his production. It is essential to maintain a high average for all cotton grown in each community. Mr. Harris further says that the cotton manufacturers believe it entirely possible to produce good character inch staple cotton in every county in Georgia without reducing the acre yield, and if this had been done during the past season the Georgia crop, in his opinion, would have brought to the farmers probably \$10,000,000 more than they will receive for the crop as produced.

This effort of the Georgia Bankers Association to stimulate and encourage cotton farmers to raise the quality of their crops to the standard that the mills require merits the highest commendation. It is apparently doing its best to impress upon the minds of the farmers the fact that it is only by hearty

(can work throughout their respective communities that the one-inch staple cotton standard can be attained, but that once attained and maintained it means greater—much greater—market value and assured prosperity for the people on the farms. It is to be hoped that the agriculturists will respond to the appeal earnestly and energetically, for that is the only way for Georgia to be restored to the high position which the state formerly held as to the production of superior cotton, and this is true as to all the cotton-growing regions.

THE DAILY PRESS AND CRIME.

SAYS the Observer, published in Baltimore: "The cold fact is that the greatest incitement to crime in the United States today is the daily newspaper."

At first reading, this may seem an astounding, inaccurate and unfair charge against the daily press of the United States. Study and observation of the daily newspapers covering the land will convince many intelligent persons that in a general way, with a reasonable number of decent exceptions, it is pretty nearly correct. Lawlessness through defiance and disdain of the Eighteenth Amendment to the Constitution and of the law of the land as embodied in the Volstead Act is encouraged either openly or indirectly by many daily papers. Criminals of both sexes are portrayed as heroes or heroines, and notorious lawyers who defend them are pictured as master minds of the legal profession. The Bible and religion are flouted in the tenor, if not the actual substance, of news and editorial articles. Class discrimination and favoritism for a meager minority of the citizenry are preached and practiced. The propaganda of bolshevism is broadcast through the publication of publicity for Red and radical organizations, the Youth Movement and similar subversive bodies. Teachers and professors who may be dismissed for teaching evil doctrines to their pupils are extolled as martyrs to the cause of education.

These are not "charges" preferred by the MANUFACTURERS RECORD against a large part of the daily press. These are open facts, known to intelligent readers of the newspapers. There is no occasion for the newspapers or their editors to feel incensed; they know that these statements are based on facts. In view of their reputed intelligence, it hardly seems necessary to say that there are exceptions—many exceptions: fine, glorious exceptions—but, in the main, the guilty newspapers must know that they are guilty.

As an old adage puts it, "Everyone knows better how to run a newspaper than the man who runs it." Far be it from us to try to teach the daily newspaper editor his business. But to an observer not entirely ignorant of the newspaper business and profession, it looks as though the editors "guess wrong." They assume this sympathy for lawlessness in mistaken belief that such is the sentiment of a majority of the American people and a majority of their readers. They may point to their circulation figures as proof of the correctness of their view. For one thing, we believe a poll would convince them that this view is incorrect. For another, it would be a national calamity to have the newspapers of the land merely mercenary followers of a bad public sentiment, instead of teachers of better things and leaders in a movement for good—in short, it is a calamity for them so to commercialize their tremendous power as to prostitute it for the benefit of the business office.

In time—in comparatively short time, we believe—the majority public sentiment in favor, in demand, of law observance and decency will become so evident and forceful as to convince any errant newspaper of the error of its course. And, also, we believe that a vast majority of the newspapers will be glad to return to support of right and decency, instead of encouragement of lawlessness and evil.

A LEADING CLUB WOMAN ON THE TWENTIETH AMENDMENT.

APPARENTLY unwilling to accept and abide by the verdict of a jury of the individual states condemning the so-called "Child Labor" Amendment to death, professional demagogues, misinformed, sincere persons and emotional men and women still are striving to have that iniquitous measure tacked onto the Constitution of the United States. At the instance of professional "leaders" and of some well-meaning persons, many women have enlisted in a cause they believe to be holy, but which actually is absolutely wicked.

Yet, probably, even a greater number of women see this Amendment in its true light and realize its ultimate effect—the nationalization of American children, as in Soviet Russia; the transfer of parental control and guidance from American parents to some radical Government agency, conducted by unmarried women and visionary men; the standardization of education, as even now ordained for Washington under a similar law covering the District of Columbia; the standardization of childhood, the most individual and most promising period of life. For instance, in a report at the General Federation of Women's Clubs at West Baden, Ind., Mrs. William F. Blackman of Orlando, president of the Florida Federation, said, in part:

"This Amendment is as mistaken in ethical, educational and social principle as it is wrong in politics.

"The prohibition of all labor of persons under 18 years of age! But do we not know, has Thomas Carlyle not taught us, have not our greatest men and women learned from the experiences of their own childhood that of all teachers and disciplinarians labor is the greatest? Is it not the regular, recurring task, not too heavy or prolonged for his strength, set for the child, and accepted and accomplished by him, which steadies his character, reveals to him the meaning of life, gives him a sense of real and relative values, evokes in him the feeling of responsibility, tends to make him obedient to law, teaches him to give as well as get, develops and invigorates his body, prepares him for the inevitable struggle and strife that are before him, and even adds to his happiness, however much he may for the moment dislike the task?

"We know that this is so, but this proposed Amendment, while it, of course, does not prohibit work in youth, but only empowers Congress to do so, gives a wrong impression and points in the wrong direction. For myself I would rather see a boy or girl employed steadily and suitably in a factory or a beet field than loafing on the street corners, cigarette in mouth, or driving about in an automobile, in pairs, unchaperoned, at all hours of the day and night. Perhaps the greatest school problem of our time does not concern the curriculum of study, but the profitable and disciplinary employment of leisure hours and long vacations, now so commonly worse than wasted.

"We club women are nowadays urging renewed study of the glorious Constitution, a renewed loyalty and love for its matchlessly wise provisions.

"But what do we see? Suggestions every year by the score for its amendment, in manifold directions, the obscuring or the obliteration of its sharp and salutary distinctions between Federal, state, local and individual authority; the creation of expensive boards, commissions and bureaus in Washington, which fill the land with their agents, invade the sphere of the states and take over the management of our private lives. The democracy which the fathers founded threatens to become a bureaucracy, which is perhaps the worst of all forms of government."

Beside these utterances, the note by Mrs. Blackman, that enough states already have disapproved the Amendment to kill it, almost loses some of its great importance.

Mrs. Blackman not only speaks with patriotism, wisdom and common sense, but also she expresses her views in practical, convincing fashion.

Probably never have the American principle and policy of majority rule been so un-Americanly questioned as in the cases of the Eighteenth and proposed Twentieth amendments—the Prohibition and so-called "Child Labor" amendments.

respectively. A blatant, vociferous minority strives to nullify the Prohibition Amendment, already adopted, and even advocates lawlessness and law defiance in their insurrection; a crafty and selfish minority is striving to incite decent people to advocacy of the proposed Child Slavery Amendment after it has been rejected by a sufficient number of states to kill it. The women, and especially the mothers, in the land should be the foremost and most determined opponents of the proposed Twentieth Amendment—and, we believe, a large majority of them are.

CHINA RAISING INCUBATOR CHICKENS.

TO present and prospective poultry raisers in the South may be commended an article on "Chinese Incubators" in the Chinese Economic Bulletin issued by the Chinese Government Bureau of Economic Information, which says:

"Incubator shops with a capacity of 100,000 to 200,000 eggs are not uncommon in China. The incubators in a single plant may hatch as many as 8000 to 12,000 chicks a day, and this rate is maintained for seven to nine months of the year."

The Chinese method of incubating eggs is described as "efficient and economical when large-scale production is maintained," some chicks being hatched under setting hens, but by far the greater number in the large incubator shops throughout the country. The method is thus described:

"The principle of the fireless cooker is made use of in heating the eggs. The eggs are first thoroughly warmed to a temperature of 103 degrees F., or a fraction of a degree less. This is done by placing the eggs in an oven-like room with brick walls. This room is about six feet wide, 10 feet high and 10 feet long. The eggs are placed in baskets on shelves lining the walls of the room. Heat is furnished by charcoal, which does not smoke on burning, in earthenware pots placed on the floor of the room."

After the eggs have been properly heated, the description continues, they are placed in baskets, each basket having sides of firmly packed rice straw and lined with a soft, thick paper, and holding about 1000 eggs apiece. Instead of being warmed by hand, as is usual in incubators, the eggs are moved by a simple process from one basket to another. The eggs are kept in the baskets about 14 days, when they are transferred to large trays, each holding about 10,000 eggs.

As soon as the eggs hatch, the chicks are placed in circular bamboo baskets, about three feet in diameter and eight inches deep. They are ready for sale as soon as they are dry. The hatching percentage of fertile eggs is said to run to about 75 per cent for chicken eggs and 90 per cent for duck eggs.

THE CHRISTIAN PRINCIPLE.

HOW embarrassing it must be to Bishop Manning to find himself in disagreement with Rev. James Empringham on the subject of Prohibition! Yet, in the face of Dr. Empringham's disparagement of present-day Prohibition, Bishop Manning in his Ash Wednesday sermon said:

"Take the question of Prohibition, which is now much in our minds. We may have our different views and theories about this, but we are faced now with a condition, not a theory. Our country has decided that for the help of the emptied and the weak this thing shall be controlled by law. Can anyone doubt that we are following the Christian principle by obeying this law for the help of our weaker brethren?"

"Is anything more certain than that it is a Christian principle to deny ourselves for the sake of the common good? Does anyone doubt that it would be for moral and spiritual good of this city if all of us would give our strong and full support to the observance of this law? I wish that this Lent we might, all over our city, test the moral effect of a full and real observance of this law. If we will do this, it will make this a Lent to be remembered in the moral history of our country."

Which is a convincing answer to the arguments on "personal liberty."

TOO MUCH INTERFERENCE ON OUR PART IN CENTRAL AND SOUTH AMERICA.

THE fruit of our meddling in the affairs of other nations is now seen in Nicaragua. Some years ago we landed marines and cast out certain so-called dictatorial politicians, and for many years we kept our marines there in quarters on the plaza of Managua, guarding the "President" whom we virtually placed in power and protected in order to carry out our will. It is meet that we give the right names to these acts of our Government, which are justly denominated "imperialistic" by our Latin-American neighbors.

If the real cause of our entry into Nicaragua were presented to a Senatorial investigating committee, it would affect parties in rather high places in this country. That is what makes the case the more flagrant. In the name of that abused word "peace," we have prevented revolution for ousting the Nicaraguan who was kept in the Presidential chair by the presence of our marines. Finally, to the honor of President Coolidge, these marines were withdrawn.

We said at the time that it must inevitably lead to revolution. It was unthinkable to anyone familiar with the Latin-American mind that the Nicaraguans would accept the man whose power was merely an expression of the will of the American Government. When we withdrew, he instantly asked that we do various things that might indicate a readiness on our part to return and support him. We did not do it. Accordingly, after considerable political violence, Gen. Emiliano Chamorra has usurped dictatorial authority. His enemies are either in exile or sneaking through "underground railways" to safety. Neighboring Central American states are protesting, but, as usual, "the last man in the plaza is the man with the gun."

It is announced from Washington that the new President will not be recognized. That is proper enough for a time. It all depends on how long General Chamorra is able to stay in the saddle. As Chesterton said, our neighbor is our neighbor because he is there. Surely, after our utterly indefensible intervention in Nicaraguan affairs, we cannot stand on questions of political propriety. Being the "pot," we may not call the "kettle" black. It is for us to realize that we are particeps criminis in the uprising of General Chamorro. He and his pronunciamento are the logical consequences of our own acts. Chamorra in Managua is as justifiable as American marines in the same place.

Let us reform our own manners, and be a real big brother to Latin America, honorable and generous and scrupulously non-imperialistic, and we will soon be where we ought to be—in the hearts of the people of South and Central America.

DRAWING THEM TO THE SOUTH.

Port Jefferson, N. Y., February 16.

Editor Manufacturers Record:

I enclose check for \$6.50 to subscribe for your paper, and would like a copy of the January 21, 1926, issue.

I recently motored via Chattanooga to Florida west coast and saw much to make me realize that opportunity exists in many attractive places "South," and I have plans to "Go South" eventually. Coming back on the Seaboard Florida Limited, I saw your paper in the club car, and it interested me so that I want it regularly. That's the spirit—let a Southern publication, on a Southern railroad, BOOST the South.

J. A. OVERTON.

ACHIEVEMENTS MADE POSSIBLE BY GOING "INTO DEBT."

CLARK HOWELL, editor of the Atlanta Constitution, in a recent address before the Rotary Club of Charlotte said a good many things about the progress of North Carolina for the express purpose of stirring up the people of his own state. He praised North Carolina as a state that is "the envy of every neighbor" and the "despair of many states in other sections."

"You have," said he to the Rotarians, "become this great, marvelous Commonwealth by doing what Georgia and every other Southern state ought to do—utilizing your credit."

"Georgia," said Mr. Howell, "probably possesses as much collateral as North Carolina and has about as much natural wealth behind it. It abounds in such resources as are in North Carolina, but the reason Georgia has remained behind while North Carolina has shot ahead so rapidly is because the people of Georgia were afraid to use the credit of the state. That," said he, "is the secret of this state's growth and expansion. What it has today in the way of new advantages, in higher educational institutions that rank with any in the United States, in common school opportunities, in highways that are a source of joy and pride, and in all other evidences of the state's surging spirit of progress—all of these have been achieved and possessed by the utilization of the state's credit, or, as we more intimately call it sometimes, going into debt. The state's refusal to utilize its credit for public advantages and necessities held North Carolina back three-quarters of a century, and is still holding Georgia back."

In his address as quoted in the Charlotte News Mr. Howell traced this retarding influence back to the days of Nathaniel Macon, who laid down the dictum while he was Governor of North Carolina that a state should pay as it goes in furnishing such necessities as are demanded by the people, and unless a state could pay for these improvements as it went they should be done without.

"Georgia is still obsessed," said he, "with that idea, and although it owes only \$8,000,000 in bonds, and has one railroad that is worth \$20,000,000, owing less, by the way, in bonds than the city of Charlotte, it is still content to try to run its government by a direct levy for such income as is necessary for the maintenance of the affairs of the state. It can't do that successfully. North Carolina would never have had its good roads if it had contented itself with getting them built out of funds derivable from direct tax levies, nor its educational institutions, nor any of the other assets it boasts today, the majority of all of which have been possessed because the state used its credit, sold its bonds, got the money, and went out and got what its statesmen thought the people ought to have."

"Whatever these improvements and these processes of progress have cost," said Mr. Howell, "they represent the best investment the state could possibly have made, because it has been an investment that has given the state multiplied assets and resources and enabled it to shake loose from its ancient shackles and run forth with the strength of a giant."

North Carolina is one of the most eminent examples in this country of the progress and prosperity created by going into debt. Our railroads could never have been built except by going into debt. At the close of the Civil War, when this country seemed overwhelmed with debt, it really paid its indebtedness by creating vast prosperity through aiding in the building of railroads across the continent. The last war could never have been fought except by going into debt. No railroads could be built if we waited until the

cash was in hand for their construction without any indebtedness upon them. The Panama Canal was built on debt in the form of national bonds. Practically all material progress is made by utilizing credit and getting into debt. On an average probably not one dwelling out of ten in America is built without indebtedness upon it. Men build their dwellings and then through the years pay the indebtedness, meanwhile giving their families the comforts and facilities of a home. The "pay as you go" plan, beautiful in theory, is wholly impracticable.

It is true that indebtedness may be carried too far, but North Carolina and Florida are outstanding examples of the tremendous possibilities of a state utilizing its credit for building the things essential to the progress of its people. Florida was one of the first states of the South to go so heavily into debt in the building of highways. Many of its own people and some of its papers fought this movement, believing that it was piling indebtedness upon indebtedness of the state. They could not see that the building of these highways was the building of a road that led up the mountain heights of progress. Florida's abounding prosperity, the marvel of the country—indeed, the marvel of the world today—could never have come except through the building of highways.

North Carolina is beginning to match Florida in progress and prosperity. It is stirring with mighty life and activity. It is setting an example to every other state in the South, and until the backward states, as pointed out by Mr. Howell, are ready to follow North Carolina's wise example they need not hope to join North Carolina's abounding prosperity.

DAIRY PRODUCTS EXCEED IN VALUE WHEAT AND CORN.

SOME idea of the possibilities for profit in the dairy farm is given in a report by the National Dairy Council that the farmers of the nation "realized nearly as much from their dairy cows in 1925 as from their corn and wheat crops put together." The total value of dairy products in 1925 was estimated at nearly \$2,700,000,000, or within \$200,000,000 of the total farm value of both wheat and corn, which the Government estimated at \$2,904,269,000.

As has been said by dairy experts, the South potentially is the greatest dairy-farm area of the entire country. Yet, despite its advantages, the South imports milk and cream and ice cream from far distant sections of the country. Thousands of gallons of each are poured daily into the nation's potential dairy center. In Florida alone, figures show, dairy products consumption in 1924 ran to \$31,000,000, of which only \$7,000,000 was produced in the state, thus pouring \$24,000,000 into the pockets of dairy farmers in sections far less favored by nature.

"The South should export dairy products and ice cream, instead of importing those commodities," say dairy experts. This is an incontrovertible fact. The statement should be made a "slogan" for the South.

Say It Now!!

More than fame and more than money is the comment kind and sunny
And the hearty, warm approval of a friend;
For it gives to life a savor, and it makes you stronger, braver;
It gives you heart and spirit to the end.

If he earns your praise, bestow it! If you like him, let him know it!
Let the words of true encouragement be said.
Do not wait till life is over and he's underneath the clover;
He cannot read his tombstone when he's dead.

—Anon.

\$200,000,000 of Hotel Construction South Last Year

ONE-THIRD OF TOTAL 1925 HOTEL CONSTRUCTION IN AMERICA WAS IN THE SOUTH—FLORIDA LEADS CALIFORNIA BY \$15,000,000.

By E. J. WILLIAMSON, Associate Editor, The Hotel Gazette.

The South had another marvelous year of new hotel construction in 1925, about on a par with the record-breaking year of 1924. Although there was a slight falling off in three or four states, the others more than made up for the loss, especially Florida, Texas and Missouri. Throughout the sixteen Southern states approximately 650 new hotels were either opened, or are still in course of construction, or have reached the point where financing is completed and contracts let. These hotels, ranging in value from \$30,000 to \$10,000,000 each, represent an aggregate outlay of more than \$200,000,000 for building, equipment and sites. This amount constitutes approximately one-third of the entire amount spent for new hotel construction throughout the country during the year.

It is perhaps no startling surprise to say that Florida was the banner state of the entire country in 1925 in the matter of new hotel construction. That marvelous Commonwealth broke all records and seems destined to smash them again in 1926, though astute hotel men of the North and financiers seem to agree that Florida now has (or will have when present projects are completed) enough hotel accommodations to take care of its tourist business for some time to come.

Many cities are finding that, with their new hotels built during the past three or four years, they now have ample accommodations for the time being, and are content to mark time for a while to give travel a chance to grow before going ahead with other big projects. This is especially true of most of the larger cities and with those smaller cities that have built one or more new hotels in recent years. There still remain, however, many smaller cities, advantageously situated with respect to motor travel, that have not yet been able to attain their ambitions to have new hotels. For one reason or another their campaigns for community-built structures have been delayed, though in most cases these campaigns have by no means been abandoned.

In 1924 Florida and California were running neck and neck in new hotel construction. Last year Florida's greatest tourists rival spent approximately \$30,000,000 for new hotels, according to figures announced a few days ago in San Francisco. Miami alone in 1925 spent more than that amount for new hotels. As in other years, Miami was the greatest center of new hotel construction in Florida during 1925. A survey made there in December showed thirty-one projects under way at Miami, Miami Beach and Coral Gables, including hotels that opened in 1925. These projects represented an outlay of more than \$45,000,000, and included the following:

Miami-Biltmore, erected at a cost of \$10,000,000 for building, grounds and equipment, opened January 15, 1925, this being the most expensive, though not the largest, of Miami's 1925 crop of hotels; the 400-room Roney Plaza Hotel, costing \$3,000,000, and eventually to contain 1000 rooms, built by N. B. T. Roney and opened recently; another hotel being built by Mr. Roney at a cost of \$1,500,000; the \$2,000,000 Wallisonia Hotel being built by C. Dan Wallace; 300-room Hotel Columbia, opened in January; 240-room Hotel Alcazar; Venetian Hotel, a \$1,250,000 structure opened in December; the Towers, which, with 1124 rooms, is to be Miami's first 1000-room hostelry, now under way; \$8,000,000 Villa Biscayne, now building; San Sebastian Hotel, opened in December; Robert Clay Hotel, opened early last fall; 237-room Hotel Fritz, costing \$1,266,000, nearing completion; King Cole and

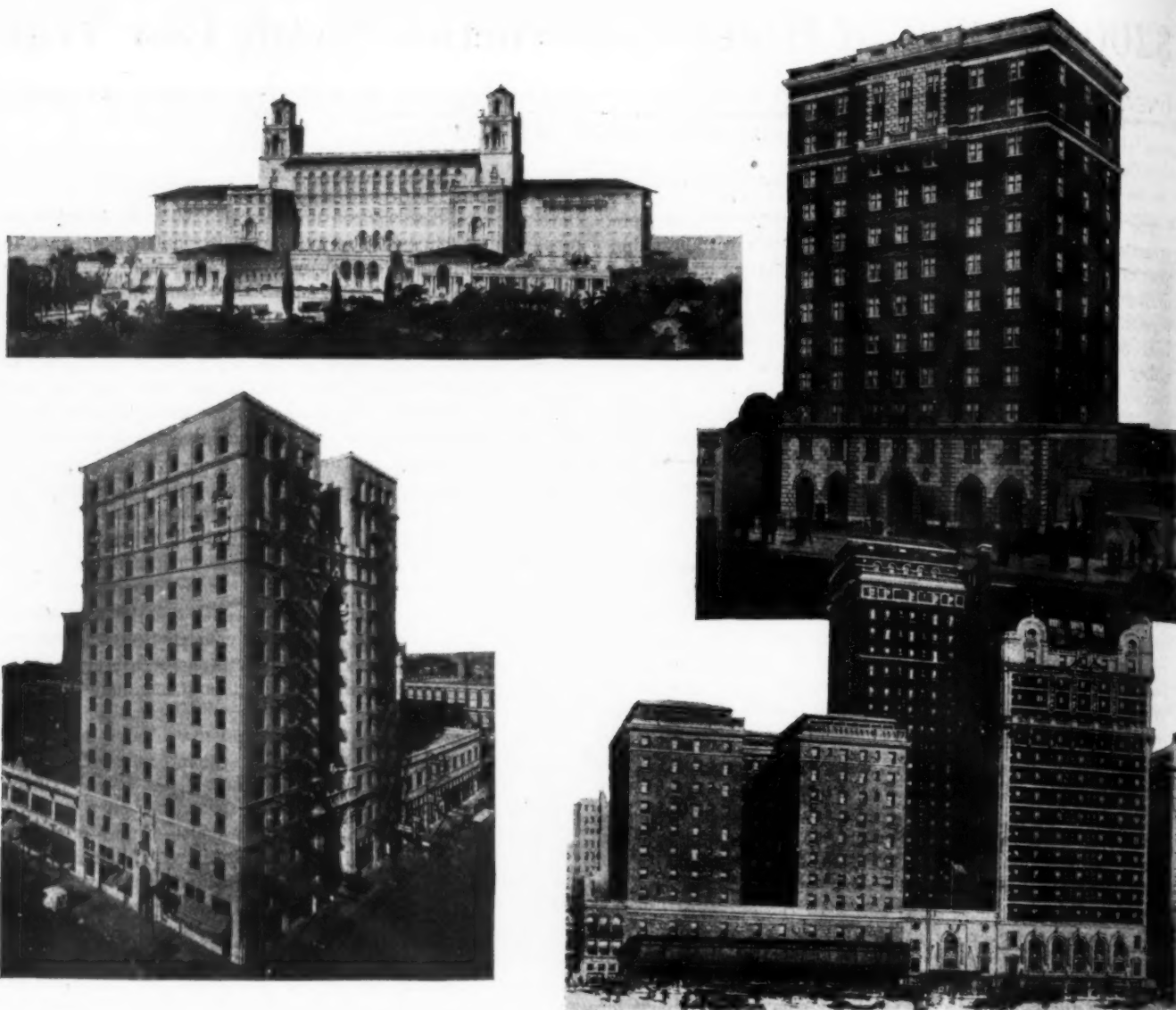
Cortez hotels, both opened last spring; 300-room Hotel Commoner, named in honor of William J. Bryan, to be opened in February; Floridian Hotel, nearing completion; a 248-room hotel being built by Carl Fisher; 559-room Hotel Roosevelt; Hotel Shoreland, under way, and a large addition to the Hotel McAllester, to mention only some of the million-dollar Miami projects. The rest of the list includes a number of hotels ranging from \$100,000 upward, but does not take into account a number of fine, new apartment hotels that are being built in Miami and its suburbs. The foregoing are hotels for the traveler, tourist or commercial.

Miami's new hotels during 1925, counting those opened in January and February, 1926, give that city more than 9000 additional guest rooms and make it the best equipped hotel city of its size in the world, and better equipped than most cities of 500,000 population.

Throughout Florida, it is estimated, nearly \$100,000,000 was spent during 1925 for new hotel construction. The amount would have been greater had it not been for the embargo on freight, which delayed many projects and has made it impossible to open a lot of big hotels in time for the 1925-26 tourist season. Dozens of Florida cities and towns have million-dollar hotels, either opened in 1925 or still in course of construction. They include some of the costliest and most luxurious and up-to-date hotel properties in the world, on a par with those of New York, Chicago, Los Angeles or any other city. In the larger Florida cities the building of apartment hotels is a new phase of development within the past year or so. Many residential or apartment hotels are now being built at Miami, Tampa, St. Petersburg, Jacksonville, and even in the smaller cities.

It is difficult to say which is the finer of the many new hotels of 1925 in Florida cities other than Miami. For lavishness and magnificence of architecture, setting, etc., the lead is conceded to the Miami-Biltmore. At Palm Beach there are new hotels that are close rivals in expensiveness and luxury. One of Palm Beach's finest is the \$6,000,000 Hotel Alba, 550 rooms, opened recently. Another is the \$5,000,000 Whitehall Hotel, opened in December. Still another is the 500-room Hotel Breakers, being built at a cost of \$6,000,000, to supplant the old Breakers that was destroyed by fire a year or so ago. The Royal Danelli, opened last summer, is another great new hotel at Palm Beach. It has 203 rooms and cost approximately \$2,000,000. Across the lake at West Palm Beach there are several new million-dollar properties. One is the 216-room Hotel Pennsylvania, nearing completion, at a cost of \$1,500,000. Paris Singer, owner of the Everglades Club at Palm Beach, is building a \$4,000,000 hotel at West Palm Beach, and half a dozen other projects ranging between \$500,000 and \$1,000,000 are under construction at Palm Beach and West Palm Beach.

Boca Raton and Hollywood-by-the-Sea are two developments between Miami and Palm Beach where there is great hotel activity. At Boca Raton the \$1,000,000 Cloister Inn was recently opened, and a \$5,000,000 hotel, to be called the Ritz-Carlton, is being built by the Mizner syndicate. Both these hotels are links of the internationally famous Ritz-Carlton chain, which also will operate a new hotel being built by Charles Ringling at Sarasota. At Hollywood five hotels, two of them in the million-dollar class, have either been opened in recent months or are about to be opened. The



TYPICAL OF THE NEW HOTELS OF THE SOUTH.

largest of these is the 500-room Hotel Hollywood, which will be ready within a few months. Another is the 250-room Hollywood Hills Inn. All five properties are owned by companies headed by Joseph W. Young, developer of Hollywood.

St. Petersburg's finest hotel of the 1925 crop is the 350-room Vinoy Park Hotel, opened in December and built at a \$3,000,000 cost. The \$1,000,000 Hotel Pennsylvania also was opened there in December. Seven smaller hotels were opened, or are nearing completion, at St. Petersburg, and at least two \$1,000,000 apartment hotels are under way. The Hotel Roynet is another \$1,000,000 tourist hotel, in a ten-acre setting, going up at St. Petersburg.

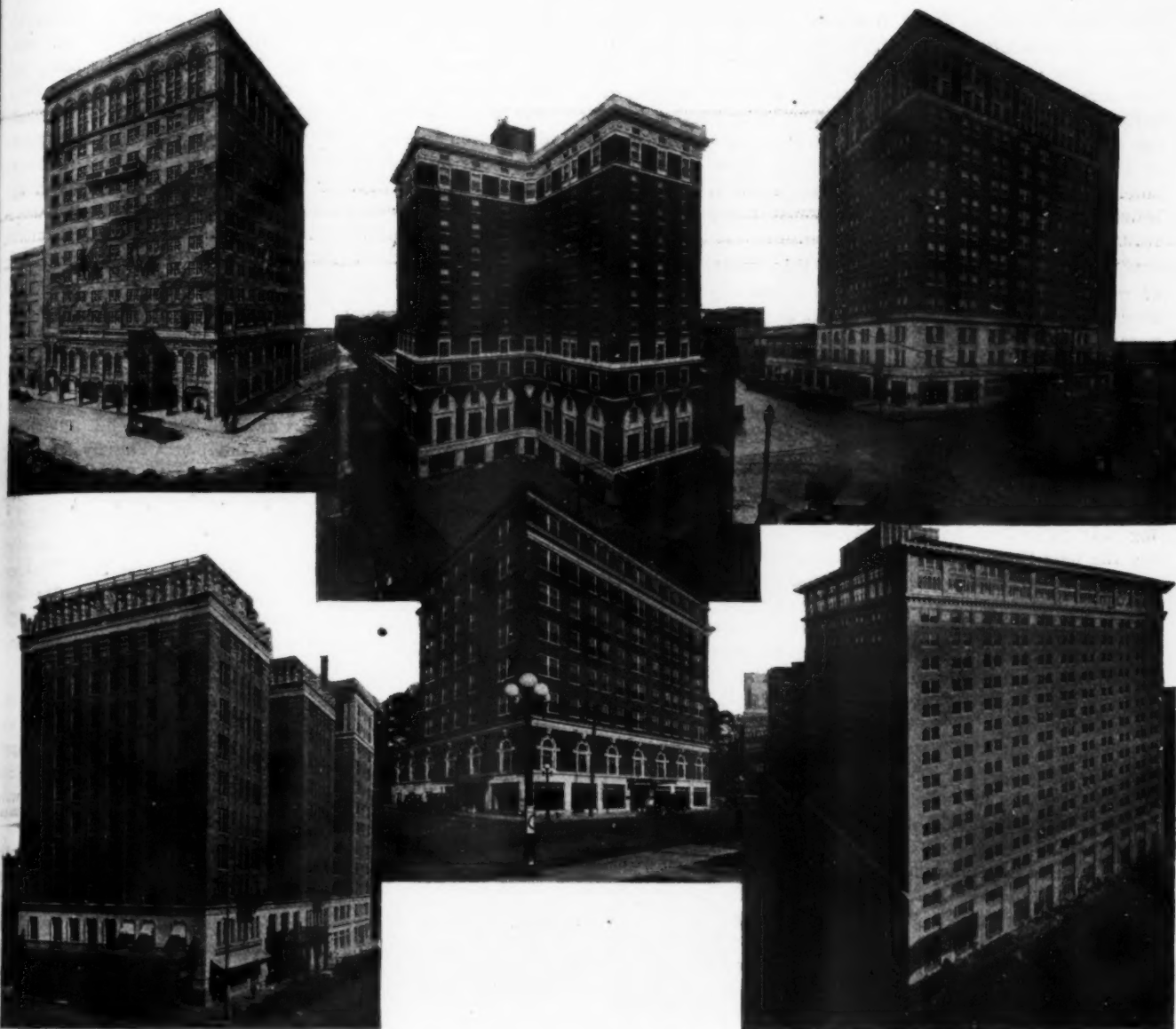
The handsome Bay Shore Royal is one of Tampa's finest of 1925. Another is the 13-story Pulver-Plant Hotel, to cost \$2,050,000. The 392-room Floridian Hotel at Tampa, rising 18 stories in height, is being built at a cost of \$2,500,000, and four new apartment hotels, each costing over \$1,000,000, are going up. At Davis Islands, Tampa, D. P. Davis, developer, is erecting the Davis Arms Hotel for tourists at a cost of more than \$3,000,000. Several smaller projects have been completed during the year.

Jacksonville, metropolis of the state but north of the real tourist belt, is nevertheless having a busy hotel construction period. The 14-story Hotel Garling, to be a link of the Dinkler Hotels Co. chain (of Atlanta and Birmingham), will be completed perhaps by July. It will have 350 rooms and will cost

about \$2,000,000. The \$1,500,000 San Jose Hotel, going up on the high bluffs overlooking St. John's River, about four miles from the heart of Jacksonville, will be ready early next fall. This hotel will be operated by the Vanderbilt Hotel Corporation of New York, operating the Vanderbilt Hotel in that city, the Bon Air-Vanderbilt at Augusta, Ga., and three other resort hostleries of the highest type. A large addition to the Mason Hotel at Jacksonville is now practically completed, and a number of smaller commercial hotels have been erected or are under way. On the St. John's River, in addition to the San Jose Hotel, there are two other resort hotel projects, one to cost \$1,500,000 and to be known as the Hotel Venetia, and another, a \$1,000,000 hotel at Pablo Beach, which in future is to be known as Jacksonville Beach.

Sarasota is one of the most active of the smaller Florida cities, due largely to the activity of Charles Ringling and his associates, who have completed one \$1,000,000 hotel there in recent weeks and are building a \$3,000,000 hotel for the Ritz-Carlton organization. Another big project is the Hotel Watrous, a \$2,000,000 structure being built on the site of the old Hotel Watrous by M. F. Schiavone of Chicago. Four other smaller hotels are being built at Sarasota and several others are projected.

One of Florida's most imposing hotel projects is the new Plaza Hotel of 900 rooms that is being built at Fort Lauderdale by the United States Realty & Investment Co. of New



THESE RECENTLY COMPLETED STRUCTURES SHOW SOMETHING OF WHAT THE SOUTH IS DOING TO SUPPLY ADEQUATE AND UP-TO-DATE HOTEL ACCOMMODATIONS.

York. This company owns and operates the Hotel Plaza, New York; the Copley-Plaza Hotel, Boston, and others. Designed by Cass Gilbert of New York, this hotel doubtless will be one of the most beautiful and luxurious in the world, a worthy twin of the New York Plaza. Entrance of the Plaza Company into the Florida hotel field marks the invasion of that state by four of the biggest hotel chains of New York—the Plaza, Ritz-Carlton, Vanderbilt and Bowman-Biltmore. There have been various rumors, unconfirmed, that the Boomer-Du Pont chain, operating the Waldorf-Astoria and a half-dozen others of that class in other cities, plan to enter Florida. L. M. Boomer has made frequent trips to the state, where he was once employed in a hotel in his early days and where his mother now resides. It is also said the United Hotels Co. and its subsidiary, the American Hotels Corporation, plan to operate a number of all-year Florida hotels, but no announcements to this effect have been made by company officials. A year or so ago it was reported that the Statler Company would build a hotel in Florida, but E. M. Statler emphatically denied the company had any such plans.

The Plaza Company's project at Fort Lauderdale is just getting under way and the company hopes to be able to have the structure ready for the 1927 season. It is one of a half-dozen projects at Fort Lauderdale and its environs. Smaller,

but equally beautiful and luxurious, will be the 375-room Hotel Venetia being built at a cost of \$1,500,000 on Lauderdale Isles by W. F. Morang & Son, Inc., of Miami. This firm also has announced plans for another \$1,500,000 hotel of Spanish architecture at the junction of New River Sound and Lake Marble Inlet, Lauderdale Harbor.

To mention all the splendid new hotels that have been completed within the past year or that are under way in Florida would mean the listing of some 300 hotels, large and small, some fireproof, many more semi-fireproof and a considerable number of small hotels of stucco and frame construction. Lakeland, Daytona, De Land, Kissimmee, Bradenton, De Soto, Winter Haven, Tarpon Springs, Plant City, Sebring, St. Augustine, Monticello, Clearwater, Fort Pierce, Fort Myers, New Smyrna and many other places have been opened or are about to open new hotels of the million-dollar or near-million class. Some of the larger projects include the St. James, opened at Safety Harbor; Southland, under way at Bradenton; Hotel Thomas, at Gainesville; Homestead, at Homestead; La Concha, at Key West; Fort Harrison, at Clearwater; Lake Region Hotel, at Winter Haven; Casa Del Rey, at Del Rey; Gillen, projected at Kissimmee; Blackstone, at Orlando; Dixie-Pelican, projected at Stuart; the Casa Bonita, at Punta Gorda; Dixie-Walesbilt, at Lake Wales;

Hotel Vero, at Vero; Hotel Heltman, at Fort Myers; Hotel Polk, at Haines City; Rio Vista, at Daytona Beach, and many others. The embargo has delayed many hotels, so that they were unable to open in time for the 1925-26 winter season, and quite a number of projects have been held in abeyance until the rail transportation situation is cleared up. It is because of this that Florida will very probably have another big hotel construction year throughout 1926, but it is generally believed this will be the last big year of the pace set since 1923.

While Florida has been doing all this, what has the rest of the South been doing? The beneficial influence of the Florida invasion has made itself felt in many parts of the South, and especially in all Southeastern states. Tourist business is growing rapidly, and it can safely be said that the entire Southern playground is rapidly coming into its own. The vast new mileage of hard-surfaced roads being constructed is serving to increase the volume of tourist business. In addition, the South has just completed a twelvemonth of prosperity and has had the biggest building year in its history. New hotels have helped to make it the biggest building year. The hotel-building program in Southern cities during the past three or four years has provided practically all the larger cities with great new modern hotels comparable to those of New York and Chicago, many of 500 to 600 room size and several in the 1000-room class. A summary of new hotel construction in the 15 states of the South other than Florida shows the following activities during 1925, individual mention being made only of hotels in the million-dollar or near-million class:

Tennessee was one of the busiest states, with forty projects under way or opened. One of the country's finest and largest hostelries is the new Peabody, a 625-room structure costing \$5,000,000, opened last September at Memphis. Another superb hotel is the new Read House, with 350 rooms, now being built at Chattanooga at a cost of \$2,000,000. The \$1,500,000 Andrew Jackson Hotel was opened last August at Nashville and contracts were let early last summer by Commodore J. Perry Stoltz of New York, owner of the Fleetwood Hotel, Miami, for construction of a \$2,000,000 Fleetwood Hotel on Lookout Mountain, near Chattanooga. Robert Ely, hotel man of St. Petersburg, Fla., also bought a tract on which to build a 10-story resort hotel on the site of the old Lookout Mountain Inn. The Bridges Hotel is being built at Athens, and at Knoxville the 300-room Tennessee Terrace is under way.

North Carolina had another big year in 1925, with nearly 40 projects of all types either opened or under way. The 350-room Chateau Lafayette, opened at Asheville, is the largest hotel completed during the year. The largest for 1926, perhaps, will be the 17-story King Cotton Hotel at Greensboro, plans for which were completed some time ago. This project, under consideration for the past two years, has met with various delays, but it is understood that construction will start within the next few weeks, so that the hotel may be ready by next fall. Meanwhile the handsome new General Greene Hotel was opened for business last March 6 at Greensboro. Durham's new \$1,700,000 hotel, the Washington Duke, was opened in October. Other commercial hotel projects in North Carolina include the Wilkesboro, at North Wilkesboro, now being built; Alamance Hotel, at Burlington, opened in July; Hotel Wilrick, being built at Sanford; Goldsboro Hotel, opened last September at Goldsboro; Cape Fear Hotel, opened last spring at Wilmington; Hotel Hickory, at Hickory, and a number of others. In the tourist hotel field North Carolina is making rapid headway and there are many who believe the state will be a second Florida within the next few years. It is already the greatest winter golf section, perhaps, in the East and is constantly growing in popularity with golf enthusiasts the year round. The Chateau Lafayette, at Asheville, is the newest of a number of splendid tourist hotels built in

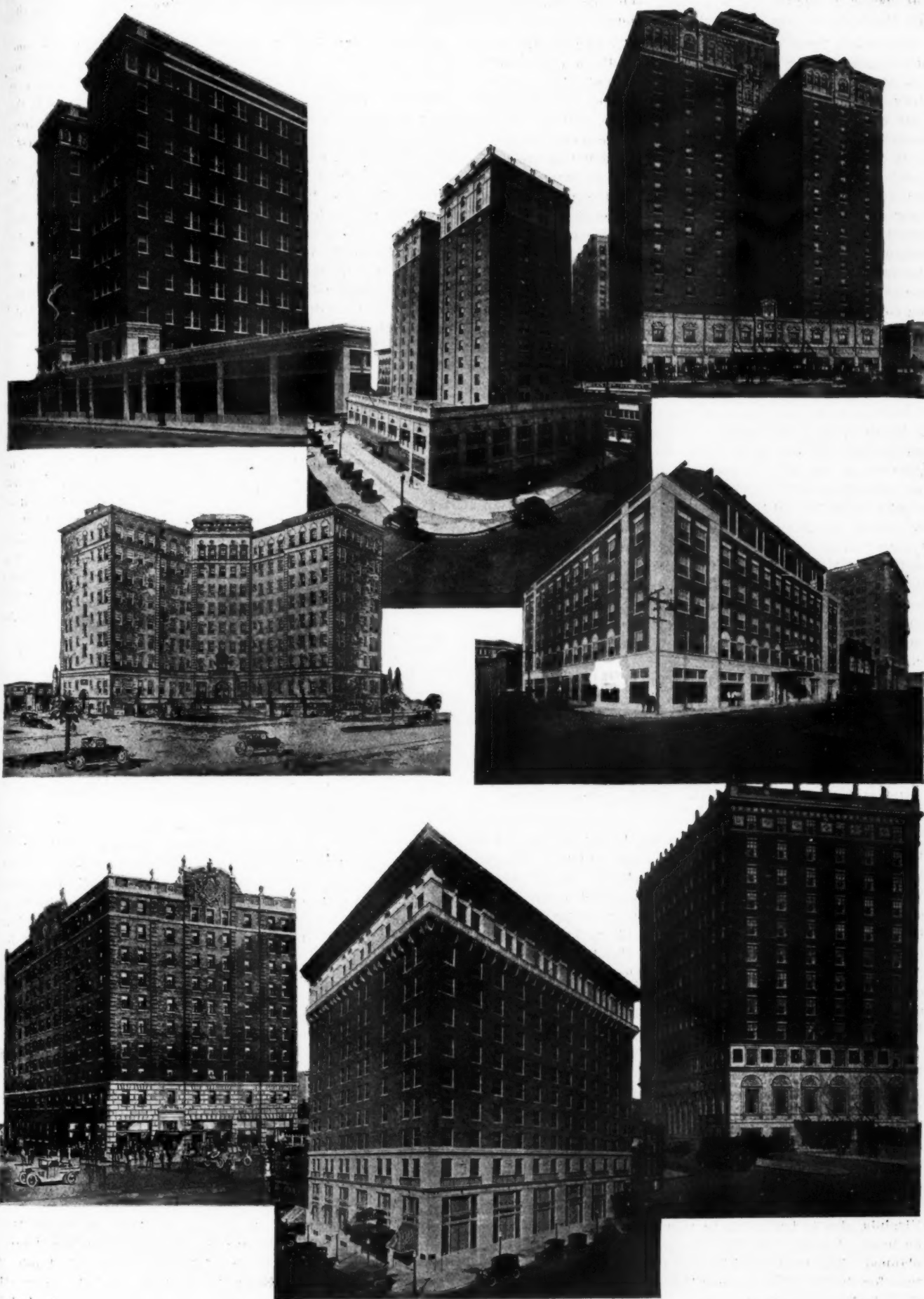
that city within the past three or four years. Hiram Ricker & Sons, operating the Poland Springs House and other New England hostelries, are interested and probably will operate a new \$1,000,000 hotel planned at Southern Pines. Near Mount Airy a 300-room hotel is planned by J. H. Rhudy of Winston-Salem, Da Costa Wiltz of Gastonia and others. Two other projects have been announced for the Lowgap section near Mount Airy. There are several projects under way for the district around Hendersonville and Tryon. One is backed by the Continental Hotels Co. of New York (Frank H. Anderson, president), operating the Hotel Shelton, New York, and hotels in Philadelphia and other cities. The site for this hotel, on Lake Lanier, was bought several months ago. Commodore J. Perry Stoltz of New York, already mentioned in connection with the Lookout Mountain project, also is interested in this section, and a few months ago awarded a number of construction contracts for a \$2,000,000 hotel at Hendersonville, to be called the Carolina Fleetwood. Plans also are under way for a 300-room hotel at Chimney Rock, and Morehead City is another point that is to have a hotel-golf resort development. Syndicates have bought several large and well-located tracts in various part of South Carolina for the purpose of tourist hotel development. Jake Wells of Richmond, Va., one of the best known hotel and theatrical men of the South, who recently announced plans for a \$1,000,000 hotel development near Hendersonville, predicts that within the next few years at least a dozen big resort developments will be under way in the state.

South Carolina did not have a very big year in hotel construction during 1925. The biggest hotel opened there was the John C. Calhoun Hotel at Anderson, completed last April. A number of small resort hotels were built, both seashore and inland, and a number of small commercial hostelries were erected.

Two hotels at Birmingham lead Alabama's list for the year. One is the 225-room Hotel Redmont, opened last May, and the other is the 350-room Hotel Bankhead, work on which began last November. It will be ready next fall. Ten lesser centers of population acquired small hotels during the year and a few resort hotels were built. Largest of these is a \$200,000 resort hotel started a few months ago at Florence.

One of America's finest hotels is the new Hotel Roosevelt at New Orleans. This hotel, originally the Grunewald, has a new 325-room addition, opened last October, which gives it a total of 725 rooms and makes it one of the largest hotels in the entire South. The Roosevelt now represents an investment of somewhat over \$6,000,000. The 300-room Hotel Jung, built at a cost of \$1,250,000, was opened at New Orleans last December. Twenty other hotels, large and small, were opened in other Louisiana cities or are under way. The new Hotel Virginia, 163 rooms, was opened in November at Monroe. A new \$100,000 hotel is being built at Leon, and the Hotel Washington, costing approximately \$1,500,000, was opened a year ago at Shreveport.

The Mississippi Gulf Coast is coming to the front rapidly as a resort section, and new motor roads between it and New Orleans, together with new hotels, are expected to accelerate its popularity. There are several new hotels under way at Gulfport, Biloxi and other places, the largest of them being the 400-room fireproof Edgewater Gulf Hotel, on a 700-acre tract between Biloxi and Gulfport. This is being built by the Edgewater Gulf Development Co., the same interests that own and operate the Edgewater Beach and other hotels in Chicago. Besides the several resort hotels, a number of commercial hotels were opened or are under way in Mississippi towns. The most ambitious of these projects are those at Vicksburg and Natchez. In the latter city contracts were recently let for the \$1,000,000 Hotel Levy. The Vicksburg project is for a similar amount. At Yazoo the Hotel Lamar



ANOTHER REPRESENTATIVE AND IMPRESSIVE HOTEL GROUP.

was opened in August, and steps have been taken at Columbus and Meridian for new community-built hotels.

Kentucky's finest hotel of 1925 is the 425-room Hotel Kentucky, opened a few months ago at Louisville and built at a cost of \$3,000,000. Another new hotel at Louisville is a five-story structure built by Adam Vogt. At Ashland a \$1,000,000 hotel project has passed the financing stage, and at Dawson Springs, near Hopkinsville (seat of a Government hospital), T. R. Troendle of Hopkinsville has interested Chicago capitalists in the construction of a hotel to cost \$1,000,000. Dawson Springs has for years been one of the most popular resorts of the Blue Grass State. Plans for the hotel, completed recently, call for an eight-story fireproof structure of 400 rooms. A clubhouse and two golf courses are included in the plan. The Richard Henderson Soaper Hotel is a new one at Henderson, and at Fulton the Southern Hotel is nearing completion. Last summer the new Owensboro Hotel was opened at Owensboro, and at Frankfort the Hotel Keystone is nearing completion. Fifteen smaller hotels have been completed or are under way in other Kentucky towns, and movements are under way for hotels in still others.

Another state that is awakening to its tourist possibilities is Virginia, where a number of fine new resort hotels are under way. One of these is the Ocean Plaza Hotel at Virginia Beach, the building and land to cost \$1,300,000. This is but one of a number of projects for Virginia Beach and vicinity. The Roland Holding Corporation, composed of Elmer R. Laskin of Mount Vernon, N. Y., and a group of New Yorkers, have organized a company to build a 200-room hotel costing \$1,500,000. A real estate boom of considerable magnitude is under way at Virginia Beach, which is 17 miles from Norfolk, one of the stimulants of the boom being the construction of a country club and a projected boardwalk and steel pier. It is the plan to make Virginia Beach the recreation center of that section of Virginia. The proposed new hotel, on the site of the old Hotel Chamberlain at Old Point Comfort, is under way and it is expected will be ready by next summer. It will be an attractive structure of 315 rooms, costing about \$1,800,000. A company of Philadelphians is putting this project through. Contracts were let in October for construction of the 300-room Yorktown Manor Hotel at historic Yorktown, the building and equipment to cost \$1,500,000.

The largest and costliest commercial hostelry opened in Virginia during the year is the 260-room, \$1,000,000 Patrick Henry Hotel, opened at Roanoke in October. The \$1,000,000 William Byrd Hotel of 200 rooms was opened a few months ago at Richmond, and plans are under way for two other large hotels there. Eventually the William Byrd will contain 500 rooms. The George Mason Hotel was opened at Alexandria in November and the Monticello Hotel somewhat earlier at Charlottesville. At Suffolk the Hotel Ellicott was opened last June and the Hotel Weyanoke was completed at Farmville.

The leading hotel of 1925 in West Virginia is the 300-room Hotel Pritchard at Huntington, opened in July. Other fine new hotels in that state include the new Mountaineer, opened in October at Williamson, and the Hotel Morgan, also opened in October at Morgantown. A large addition to the Hotel Chancellor at Parkersburg was opened during the year, while plans are afoot at Huntington for a new 15-story Hotel Frederick, to supersede the present historic hotel of that name. Plans call for a 400-room structure to cost \$2,500,000. West Virginia also is beginning to take cognizance of the tourist business. A number of resort hotels are being built and others planned. The most ambitious of these is a \$1,000,000 structure for the Berkeley Springs Hotel Co., at Berkeley Springs. C. F. Jackson, Washington, D. C., is president of the company.

and Milburn, Heister & Co. of Washington are drawing the plans.

Oklahoma has had an off-year in hotel construction compared with the three previous years, when dozens of fine new hotels were built. However, the year has not been devoid of action. The most important 1925 hotel in that state is the 20-story Hotel Mayo at Tulsa, a fireproof, 600-room structure, opened last summer. The Mayo is one of the Southwest's finest hostelrys, built at a cost of \$3,000,000. Another hotel at Tulsa is the Sophian Plaza, \$1,500,000, which is to be erected this year by a group of oil millionaires. Altogether about thirty new hotels were built in various Oklahoma cities, but they were mostly small structures, none above \$100,000, except the Chubb Hotel, opened recently at Kaw City.

Quite a number of the smaller cities of Georgia have acquired new hotels in the past year, but in the larger cities activity of preceding years seems to have slowed up hotel construction. Atlanta's chief contribution was the Ponce De Leon Hotel, transient and residential, built at a cost of \$1,000,000. The Macon Chamber of Commerce is still pushing its plans for a 250-room resort hotel on a 470-acre tract, already acquired. It is expected the hotel will be ready for the 1927 season. Commodore J. Perry Stoltz bought a 400-acre tract last fall near Augusta and announced plans for another Fleetwood Hotel of 300 rooms, 15 stories high. The Savannah Board of Trade is backing a plan for a \$1,300,000 resort hotel on Wilmington Island, and J. B. Pound, head of the Pound hotel system, has announced plans for a 10-story addition to the Hotel De Soto at Savannah. Among the more notable new commercial-tourist hotels in Georgia are the Hotel Elberton, opened several months ago at Elberton; Anthony Wayne, opened at Waynesboro; Daniel Ashley, being built at Valdosta; Colonial being built at Lagrange, and the Commercial Hotel at Cornelia.

The \$1,500,000 Hotel Lafayette at Little Rock, opened in October, leads Arkansas' list of new hotels for 1925. This is an 11-story structure of 268 rooms. Throughout the state more than thirty hotels were built, first-class structures for the most part, though small, most of them being 30 to 70 rooms. Similar activity is forecast for 1926, and again perhaps Little Rock will lead, with a 300-room apartment hotel to be built by the W. N. Young Hotel Co., of which Tom E. Burrow is president.

The biggest hotel enterprise launched in Maryland last year is the proposed 600-room Baltimore Shelton at Baltimore, to be operated by the Continental Hotels Co. of New York, which owns and operates the Hotel Shelton, tallest hostelry in the world and one of the finest architectural specimens in the metropolis. Arthur Loomis Harmon, designer of the New York Shelton, is also designer of the Baltimore and Philadelphia Sheltons. The Baltimore Shelton has been on the line for more than a year, but it is now announced architectural plans are completed and that financing is progressing favorably. The hotel and site will cost more than \$3,000,000. Plans are being drawn by John Russell Pope, New York, for a \$1,000,000 hotel of 230 rooms, to be built on the Belmont property, near Annapolis, by Mrs. Rollin Abell Armstrong and others of New York. Several months ago John W. Kearney, Washington architect, announced he was preparing plans for a commercial hotel of 300 rooms to be erected in Baltimore, but in recent months nothing further has developed on this project. The year was not especially active in other sections of Maryland, though a few small hotels, commercial and resort, were built.

Missouri's finest 1925 hotel was the 400-room Hotel Mayfair at St. Louis, a \$3,000,000 structure, opened last August. A \$2,000,000 addition to the Jefferson Hotel, St. Louis, is being built, and the Coronado Hotel, St. Louis, is being greatly enlarged. Two or three smaller hotels also were erected in

St. Louis. Kansas City was the main center of activity. There a dozen hotels, some of them residential, were built and opened, and five others are in course of construction. These include the Alcazar, Aladdin, Blackstone, Biltmore Arms, Westport, Louanna, President, Robert E. Lee, Warren, Kupper-Mars, and others. In the smaller cities more than forty new hotels were built, and several resort hotels went up in various parts of the state.

Texas had its customary big year, with many fine new hotels built or building. Houston lagged behind other Texas cities until last year, when it made up for lost time. The \$1,000,000 Hotel Judson was opened in December, also the 175-room William Penn Hotel. The \$2,700,000 Hotel Warwick, 344 rooms, is under way, and a 400-room addition to the Hotel Rice, putting that hotel in the 1000-room class, is being built. Construction of the San Jacinto Hotel, costing \$2,000,000, started a few weeks ago, and work on the \$1,000,000 De George Hotel is scheduled to start within the next month or so. The Princess Anne is a \$3,000,000 residential hotel, work on which began a few months ago.

The 700-room Baker Hotel, costing \$5,500,000, was the largest hotel completed at Dallas during the year. It was opened in October. The 320-room Hotel Hilton, costing \$1,000,000, was opened at Dallas in August, and the Scott Hotel, 160 rooms, in October. Early in the year the Maple Terrace Hotel, residential, was opened. Another big hotel under way at Dallas is the Allen Hotel, being built by Judge Archibald Allen and associates on the site of the old Allen Hotel. This will be a 300-room structure, costing \$1,500,000. The second big addition to the Hotel Adolphus at Dallas since 1922 is nearing completion. It is 22 stories high, has 300 rooms, and will give the hotel more than 1000 rooms.

San Antonio's chief hotel construction last year is an addition of 200 rooms to the Hotel Gunter, and a 12-story hotel of 230 rooms to be built by Atlee B. Ayres, work to begin in February. More than a hundred hotels have been built in various Texas cities. One of the finest in the smaller cities is the Hotel Grim at Texarkana, a 212-room house erected at a cost of \$1,250,000 and opened in August. Another is the Hotel Naylor, being built at San Angelo, where three other projects are under way. The State Hotel was opened there in June. A new \$1,000,000 hotel is being built on the site of the old Crazy Well Hotel that burned last March at Mineral Wells, and at El Paso the \$1,500,000 Hotel Orndorff was opened a few weeks ago.

Lynchburg to Sell \$1,200,000 Bonds.

Lynchburg, Va.—Sealed bids will be received until March 22 by John M. Otey, city auditor of Lynchburg, for the purchase of \$1,200,000 of 4½ per cent bonds. The amounts of various items and purposes of the bonds include the following: \$470,000 for reconstruction of Beck Memorial Bridge, \$133,476 for purchase of school houses from Campbell county, \$87,500 for payment to Campbell county for public improvements, \$28,122 for retirement of Campbell county bonds assumed by city of Lynchburg, and \$480,901 for street construction and other improvements in annexed territory.

\$2,500,000 for Greenville Sewers.

Greenville, S. C.—Three bills providing for a Greater Greenville sewer district have been approved by the Greenville county delegation and will soon be presented to the legislature. One bill provides for a permanent commission to manage the affairs of the district; another authorizes a special election in the district in July on a bond issue of \$2,500,000 to defray cost of sewer construction, while the third authorizes a tax levy of one-third of a mill in the district to defray expenses already incurred.

\$5,000,000 EXPENDITURE AT LAKE CHARLES.

Construction and Development Projects Embrace Big Rice Mill, Irrigation Plant, Fertilizer Factory and Port Improvements.

Construction and development activities in progress at Lake Charles will involve an expenditure of \$5,000,000, writes the Association of Commerce, Lake Charles, La., in a letter to the MANUFACTURERS RECORD. Important among these is a \$500,000 rice-milling plant, which will be the largest, it is said, in the country. It is being built by the Lake Charles Rice Milling Co., of which J. Alton Foster is president, and will have a daily capacity of 4800 barrels. The mill building will be five stories, exclusive of monitor, 47 by 77 feet, while elevator shafts, rice bins and dryer section will be six stories, exclusive of monitor. A warehouse will be erected with dimensions of 400 by 100 feet, and a two-story office building, 40 by 32 feet. The size of boiler house and engine room has not been determined. P. Oliver & Son, Inc., Lake Charles, are the contractors.

The work of installing one of the largest power-pumping plants in the South, it is stated, has been started by the Farmers' Land & Canal Co. of Lake Charles on its property six miles east of the city. This plant will be equipped with a discharge pipe 6.8 feet in diameter and will have a capacity of 100,000 gallons per minute. It is being built principally for rice irrigation, power to be furnished by an oil engine, which is expected to effect a saving of \$100 daily in fuel.

A fertilizer factory of 1000 tons daily capacity in under construction for Kelly-Weber Co., Ltd., the first building to be 300 by 100 feet, with platform and docks 400 feet, for unloading large steamships. Machinery will be installed in the plant for dry-mixing fertilizer, and equipment installed for unloading fertilizer. Warehouses will also be provided.

Lake Charles is completing its channel and contract has been awarded to Banta-Mutersbaugh, local contractors, for the construction of wharves and docks to cost more than \$165,000. They will be located west of the Old Spanish Trail bridge over the Calcasieu River, thereby making it unnecessary for ships to negotiate passage through bridges. Work will be started within 15 days and is expected to be completed within 125 days.

Although the channel has not been completed, there is sufficient depth of water to accommodate large steamers. Recently a tank ship of 35,000 barrels capacity, 312 feet long and 43 feet wide, drawing 23 feet of water, came into the channel to take on oil. This was the first ship to navigate the new channel under its own power. The channel is 30 feet deep, 125 feet wide at the bottom and from 200 to 260 feet wide at the water line. Calcasieu River, a part of this deep waterway, is from 400 to 600 feet wide, with long and easy curves and a depth in places of 90 feet.

The ship channel leaves the city of Lake Charles and follows the Calcasieu River to the Calcasieu-Sabine Canal, the distance having been shortened by several cut-offs. Entering the canal, it follows the right of way for 21.5 miles to the Sabine River, thence down the Sabine River and across the Gray cut-off, where it enters the Sabine-Neches ship channel. These improvements have been made at an approximate cost of \$3,500,000, practically all paid by local taxation. Upon completion the waterway will be turned over to the Government without cost.

The City Commission of Birmingham, Ala., has sold public-improvement bonds in amount of \$360,000 to the First National Bank of Birmingham at a premium of \$1149.

Some Aspects of the Florida Situation and Its Relation to the South.

[Editorial Correspondence MANUFACTURERS RECORD.]

Daytona Beach, February 23.

It is well for Florida, for the permanency and solidity of its development, that the hectic conditions which prevailed late last summer and early fall, in the wild scramble in real estate, have quieted down, for if, in addition to the conditions that then prevailed, Florida had to take care of its tourist business and all the freight shipments, in and out of the state, the congestion which the state has endured would be small in comparison with what would then have been experienced.

During the summer and early fall people rushed into this state at an unprecedented rate and the wildest speculation in real estate which any section probably has ever seen went on apace for a while. A new scheme was worked on many landowners. They were offered good prices for their property with anywhere from \$100 to \$1000, or sometimes more, paid down to bind the bargain, or, in local parlance, expressed as "a binder." The contracts were so drawn by prospective buyers that they were given a specified time for payment after a "satisfactory title had been presented." Ways were discovered of declaring that the titles to many of these properties were not "entirely satisfactory" to the prospective buyers, but in the meantime these contracts had been placed on the courthouse records and thus became flaws on the titles until they could be cleared up.

With these binder contracts, the prospective buyers hawked them around the state. Somebody would offer a little more, and the binder contracts were passed on from one to another at advancing prices at every new sale, and yet the owner was no better off. He could not compel the payment for the property, because the first purchaser would claim that the title must be cleared up by court action. Thus, the people who came to be known as "binder boys," largely of the Jewish persuasion—and throughout the country that race, with all its keenness in business ability, has been one of the leaders in real estate operations—tied up a vast amount of property. Finally, they were practically driven out of Florida, and, while the real estate situation is not as active as it was nominally last summer, it is in a far safer condition.

The thought of the people of this state is now turning very largely to agriculture and industrial development and to the improvement of the ports, in order that enlarging commerce, coastwise and foreign, may be done through increased port facilities.

A little more than a year ago Dr. Henry M. Payne, consulting engineer of the American Mining Congress, who was then making a tour of inspection of the mineral resources of the South, talked to the writer about the Florida situation. He was urged to make a careful study, as far as his time permitted, of the mineral and industrial possibilities of the state. One of his first studies related to the possibility of producing cement in Florida, where about 1,250,000 barrels were then being annually consumed. As a direct outcome of that investigation, and the facts which he published, a strong company is planning to build a \$3,000,000 cement plant in Marion county, in a section which he indicated as having exceptional opportunities for this industry. In addition to that, another company is planning a very large cement plant at Tampa, so that within a year or two Florida plants will prob-

ably be able to produce as much cement as the increasing demand of the state will require.

At present thousands of barrels of cement are being imported through Key West and other points because of the inability to buy American cement and have it delivered promptly, and likewise because the foreign cement is being offered at a considerably lower price than domestic cement.

The newspapers of the state are now turning their attention to the development of agricultural and industrial possibilities of Florida. In both cases there is almost unlimited room for expansion. There are great forests of pine and hardwood of many varieties available for the development of wood-working. There are millions of acres of good land which could be made to produce crops of every variety, for the limit of the farm products that Florida can profitably grow has scarcely been imagined as yet.

People are still thinking too much of town-lot speculation, for that always carries possible dangers to the individual and to a state, but the real estate operator has really been the one who has helped to turn the tide of population and wealth to Florida. The realtor is an upbuilder. Sometimes he may carry his work too far, but he probably rarely ever exceeds the wild-speculation which occasionally breaks loose on the New York Stock Exchange when not only good securities, but "cats and dogs," as the saying is, are dealt in almost without limit. It is true that the New York Stock Exchange tries to keep out the "cats and dogs," but it does not always succeed to any better extent than the honest realtors who try to prevent the swindling operations of land sharks, of whom there are many in Florida, as in every other section which undergoes a rapid development in business and wealth. Unquestionably many rotten land schemes have been foisted upon the public by unscrupulous land sharks. Though the town-lot speculative fever will gradually simmer down—indeed it has already done so—just as wild speculation on the Stock Exchange of New York has its "downs" following its "ups," the real, substantial growth of Florida will go on almost without end.

The greatest voluntary movement of population which the world has seen since the day when Moses led the Children of Israel out of Egypt is probably the Florida movement of the present day. Nothing like it has been seen in the history of this country or of any other country of which history gives us any record.

When gold was discovered in California, the rush of people from all parts of the country in 1849 was one of the great movements of that day, the romance of which still clings to California, but the number who went was triflingly small—insignificant, indeed—in comparison with the number that is trekking toward Florida. When the West was opened up by the building of land-grant railroads, made possible through Government aid, there was a great flow of population from Europe and from the East toward the setting sun, but that migration had no such spectacular effect and was never in any two or three year period comparable in extent to the number of people who during the last 12 months have headed toward Florida.

The first great series of spectacular "runs" in Oklahoma which caught the public attention was about 35 years ago, before Oklahoma Territory was organized in 1890 and admitted as a state in 1907. Here are a few facts of what that state has been able to accomplish: In 1900 its population numbered 790,000; in 1924, 2,200,000. The value of its

property in 1900 was \$811,000,000; in 1922, \$3,993,000,000. In 1900 it had \$4,054,391 capital invested in manufactures, and in the census year of 1920 it had \$277,000,000 thus invested. The value of its farm property in the 24-year period rose from \$277,000,000 to \$1,680,000,000. In 1900 its public school expenditure amounted to \$686,000; in 1924 the figures were \$32,649,000.

When what was then the Indian Territory was announced by the Government as to be opened up for settlement, no one was permitted to cross the border line until a given hour on a specified date; the order was given to the troops stationed along the border to hold back the thousands awaiting the chance to rush by horseback, by muleback, by wagons and buggies to secure some coveted spot which in advance they had picked out where they wanted to build a home. When the signal flashed down the line, thousands and tens of thousands rushed across the border with all possible speed, and the papers of that day were full of the wonderful story of what took place. In a few years after the opening of Oklahoma great cities had sprung into existence, wonderful educational institutions had been built, great churches established.

Not very many years after this opening rush the writer made a personal study of much of Oklahoma. He saw in Oklahoma City on one street, within six blocks, five new church buildings erected at a cost of about \$1,000,000. They were magnificent structures and their cost was so far below what similar buildings could have been erected for in the East that he asked the pastor of one of these churches how he had secured such a magnificent building for \$135,000, which was the reported amount. The president of the Chamber of Commerce, a big lumber dealer, who was standing by, said: "I can tell you one reason why these churches have cost less to build than would have been the case in the East. A rule," said he, "thoroughly observed throughout Oklahoma, is that no maker or handler of building materials shall put one cent of profit on anything sold for the construction of a church." Would that such a spirit of co-operation in church building work could prevail among all the building supply people of the land!

That was an illustration of the spirit with which Oklahoma was rapidly turned from a vast prairie into a center of enormous business activity. Wherever one traveled, and however small might be the town through which he passed, the outstanding building was a school or a church, and generally the school was the dominant structure. In those days Tulsa, a small town of a few thousand people, decided that a modern hotel was needed in order to house the rush of oil operators and speculators who were crowding to that town. A beautiful 10-story, fireproof hotel, with an enormous lobby, was quickly constructed, and in the lobby there nightly gathered oil operators from practically every oil-producing center in the world. Almost every modern language could be heard in the babel of voices.

Things were somewhat crude in many parts of Oklahoma, but the spirit which built up that mighty Commonwealth is a spirit which in some respects is now finding expression in Florida. Something of the daring, something of the heroic then in evidence in Oklahoma is now seen in many phases of Florida life, with advantages in favor of Florida far surpassing those of Oklahoma, because capital, that is, big, daring capital, was comparatively scarce until long after the oil boom had struck the state, whereas in Florida big capital, capital owned or controlled by many of the greatest financial interests of the country, is being poured into Florida as capital was never poured into any other state undergoing a revolutionary development. There is being concentrated in Florida an aggregation of brainy forces, of big broad business men whose command of capital seems to be without limit, to an extent never before seen in this or in any other country.

The banks of the state have been extremely conservative.

They have taken but little part in the speculative activity. A few days ago I saw a statement of the First National Bank of Miami—several months old, it is true. Already, at that time, the report showed that that one bank had \$63,000,000 on deposit, a sum larger by several millions than the biggest trust company or bank in Baltimore, and the conservatism with which it was managed was shown in the report to the effect that \$15,000,000 of this money was being loaned on New York Stock Exchange securities and \$23,000,000 of cash reserves were held by the bank.

Some time ago I was told by an official of the Merchants Bank of Daytona, which has a capital of \$100,000 and a surplus of equal amount, that it was lending in New York on call \$1,750,000, and this, I am advised, has been the general policy of Florida banks, wisely avoiding the tying up of their deposits and capital in real estate operations and thus endangering themselves if for any cause there should be even a temporary slump. Of the banks of Tampa, Jacksonville, and, indeed, of practically the whole state, similar statements might be made. The total now on deposit in the banks of the state approximates \$800,000,000.

Florida is far more than a boom state. It is a state of an almost endless variety of resources in soil and in manufacturing possibilities. Instead of being cut off from water, as is Oklahoma, it has over 2300 miles of water frontage, which stretches nearly 500 miles down into the Atlantic on one side and into the Gulf of Mexico on the other. It has 30,000 lakes, many of them large and of surpassing beauty. It has many of the greatest springs in America, one of them flowing 500,000,000 gallons a day. It has rivers which can be utilized for water transportation, probably surpassing those of any other state in the Union, and it is needless to say that its climate is in itself an asset of immeasurable value.

Based wholly on its climatic advantages, very many of the foremost men of affairs in America, men whose wealth runs into the ten and twenty and thirty million dollar figures, and in some cases far beyond, make their winter homes in this state, while hundreds of thousands of men of lesser means are seeking permanent homes here, and the number of tourists now annually flocking to the state during the winter months is estimated by some as high as 2,000,000. The figures given in the MANUFACTURERS RECORD of January 14 show that during 1925 over 500,000 people came into Florida by automobiles, and many of them for the purpose of finding a permanent residence here. Even California, with all its boasted advantages of climate and soil and developed wealth, sent nearly 9500 people by automobiles into Florida, while others from that state came by rail.

The three great railroad systems seeking to handle traffic in and out of Florida—the East Coast Railway, the Atlantic Coast Line and the Seaboard Air Line—are constantly taxed far beyond their capacity. The Florida East Coast is double-tracking its entire line from Jacksonville to Miami. The Atlantic Coast Line has been double-tracked from Richmond to Jacksonville; it will double-track much of its Florida lines. It has also steadily stretched out into new Florida territory and is largely extending its Florida mileage. The Seaboard Air Line is expending about \$25,000,000 or more in building new lines into Florida and expanding its traffic-carrying facilities. The Southern Railway has a line to Palatka and to Jacksonville, and does a very large business in this state. Other roads are headed for Florida, and it looks as though this state would continue for several years as it is at the present time—the greatest center of railroad expansion and railroad building activities in the country.

These far-seeing railroad men are not moved by the boom spirit of the hour. Nobody ever accused Henry Walters, the controlling owner of the Atlantic Coast Line, with any shortness of vision or lack of comprehension of the opportunities

offered by any state through which his line runs. He is showing his faith, based on his knowledge, by building many new lines that tap different parts of Florida. When Flagler first began his vast expenditures, some of his friends in the North thought he was visionary, but they had not caught that true vision which he had of Florida's potentialities. Pouring about \$75,000,000 to \$100,000,000 of his own money into this state, he lived long enough to see his dream realized, but the reality of today is far and away beyond what he saw during his lifetime.

S. Davies Warfield, rapidly becoming one of the giant leaders in the railroad world, and pronounced by Darwin Kingsley, president of the New York Life Insurance Company, who has been in intimate touch with him for years, as destined to rank with Flagler and Plant as a great railroad builder, shows his faith in Florida by building many new roads, and two years ago building, in the shortest time such a mileage was ever constructed, over 200 miles of road. Mr. Warfield 10 years ago wrote me that he believed Florida was destined to become the richest state in the Union. He was even then studying how to build the Seaboard to various points in the state, but it was only two years ago when the vision which he had long before seen could become a reality.

Many of the foremost steamship men of the country, realizing what Florida possesses and what its future will be, are rapidly increasing the number and size of their ships in order to meet the increasing traffic by water between the north and Florida ports.

These are some of the substantial things of Florida, things which furnish the foundation on which to build a great Commonwealth, the last state in the Union where pioneering work on such a vast scale can be undertaken, the last state to bring together such a cosmopolitan population, representing to a large extent an influx of people from every other state in the Union. All that has been done, however, in Florida development is merely the pioneer work. It is like the cutting down of the trees and the clearing up of the land out West, in pioneer days, by the settler who built his rude log hut and then cleared the land which later on he would cultivate. The marvels achieved in Western development will be surpassed by the marvels to be wrought in Florida, and in rapidity of time, probably, in proportion as the conditions of today, the wealth of today and the opportunities of today exceed those when, 50 or 60 years ago, the great rush of population to the West was under way.

Let no one, however, be mistaken in the thought that wealth grows in every orange grove and hangs on every palm tree, waiting to be plucked without labor. Let no one imagine that this is to be a state of easy money. Let no one come to Florida under the delusion that he can beat the other fellow at the game and find the pot of gold at the end of the rainbow which he thinks rests in every orange grove or in every subdivision lot. But for him who is sturdy, who has strength and virility and initiative, who can, in the language of the day, "stand the gaff" and meet every problem that confronts the successful man, and dominate it and not be dominated by it, the field is wide open.

In the golden days of California's great gold activity many a man returned disgusted because he did not "strike pay dirt." In the days when the old Conestoga-covered wagons, loaded with the whole family and all its outfit, headed westward, with the motto printed on the side, "Pike's Peak or Bust," many a wagon returned with all the sign painted out except the word "bust," changed to "busted." In the days when hundreds of thousands of people crowded to the West, and even later into Oklahoma, many a man failed to make good and sent back bitter wails to his old home, warning them to stay at home. So will it be with Florida. Many an adventurer will leave his all in the hands of some sharper speculator. Many a man will fail to make good. Many a

man will write back home, as many of them are doing already, warning people to keep away from Florida telling the most outlandish stories about conditions prevailing in the State, thus showing their hopeless ignorance as to real conditions here, or their ability to lie.

None of these things will halt or mar the sure and solid progress of the state. The disgruntled or disappointed, the malcontents, the ne'er-do-wells anywhere will all pour out their wrath against Florida, just as their progenitors did as to California, as to the Far West and as to Oklahoma, and even as some of the Children of Israel did when they warned the people that there were giants in the Promised Land whom they could not overcome even with the help of the Almighty, for their faith was weak and their stamina was weaker.

The giant forces of men and money that are now committed to the larger development of Florida have never known defeat. Had they not met and conquered greater obstacles than they will face in Florida, they would never have become the great leaders of finance and industry, to which position they have attained.

Unquestionably there has been too much booming of town lots. The thought of the state has been fixed to too great an extent on selling town lots. Too many people, unable to pay in full if there should come a temporary reaction, have bought beyond their means; but this is the effervescent foam, the flotsam and jetsam that floats upon every movement of this kind, and people who buy town lots, except from those known to be dependable and honorable men of affairs, without seeing them or knowing the conditions surrounding them, will have nobody to blame but themselves. If they fail to win, all their complaints against Florida will have but little effect in stemming the development of the state.

I would, however, I think, be false to the position of the MANUFACTURERS RECORD if I did not reiterate the faith which is strong in me that the Florida movement is merely the beginning of a broad, wide development of the whole South, the greatest which any section of America has ever seen. Many years ago the late Judge Kelly, then known as the "father of the House of Representatives," visioning that which we are now seeing, stated that the mighty plant of capital and energy which had developed the West was now available for the development of the South, and that nowhere else on earth could be found resources so vast and an opportunity so great for the utilization of this plant for constructive, upbuilding work. That plant, composed of brain and brawn, of capital and energy, of machinery of every kind, is now being transferred almost bodily to the South. The spirit of America has awakened to what the development of the South will mean in giving boundless opportunities to others and in creating out of this vast natural asset greater wealth than America has ever known.

Florida has set the pace. Florida has quickened the thought of the country as to the South and stimulated the South as to its own possibilities. Southward, stretching from the Potomac to the Rio Grande, from the Ohio to the Atlantic and the Gulf, the star of industrial empire, the star of agricultural wealth, the star of civilization itself, takes its course.

R. H. E.

Tampa Church to Erect \$350,000 Building.

In a letter to the MANUFACTURERS RECORD, J. R. Regnas, chairman of the finance committee of the Hyde Park Presbyterian Church, Tampa, advises that the church has voted to erect a new building at an approximate cost of \$350,000. Hentz, Reid & Adler of Atlanta have been commissioned as architects and plans are now in progress. The Rev. Dr. C. H. H. Branch is pastor of the church.

Virginia Awakes to Forestry Needs.

By GEORGE H. CLESS, JR., Executive Secretary, Chamber of Commerce, Portsmouth, Va.

The planting of trees has often been considered by some a sentimental hobby; providing for new growth on cut-over areas sometimes is regarded as an unnecessary expense; and protection from fire a necessary evil to be indulged in no more than circumstances actually demand. But just as time, study and observation often force us to change our opinions on matters of import, just as the advantages of our civilization demand that we readjust ourselves to new conditions, so has our national attitude toward forestry and its allied subjects become permeated with the idea and conviction that there is something more than sentimentality, unnecessary expense and necessary evil embodied in the wide field of activity covered by the practice of forestry.

Forestry, whether in Virginia or any other state in the South, is a vitally important matter. It deals with a situation that talks in terms of dollars and cents, for basically and fundamentally, forestry is a question of land utilization. Land is meant to be productive, and every acre should be revenue producing. That something on which we pay taxes should produce an income of some sort is not only good business but also common sense. Land suited to agriculture in any of its many phases should be devoted to that purpose. Land not suited to agriculture should produce something, and that most logical something is trees, not only because they make non-productive land productive but also because they serve mankind in the multitude of ways that only a forest and its products can serve. These things need little or no elaboration. It is safe to say that they are now admitted facts, but the question arises: What are we doing about it?

In Virginia some very interesting things are being done. Through the Virginia State Chamber of Commerce this Commonwealth has taken a great step forward in the solution of its economic problem of land utilization by the appointment of a forestry committee, the main efforts of which are being directed toward the formulation of a comprehensive forestry program providing for reforestation, protection from forest fires and other purely economic phases, such as making idle land productive and making timber growing profitable and attractive. This particular activity of the State Chamber was authorized under item No. 2 of its Five-five program, which provides for "peopling of Virginia's millions of man-hungry, unoccupied, tillable acres with desirable, permanent, agricultural settlers best suited for residence in Virginia." So it can be seen that in accordance with the above outlined principles of land utilization the State Chamber has included a forestry program within an agricultural development program, because it fully realizes that a very large part of the unoccupied lands of the state can best be utilized in forests rather than in the usual farm crops.

With a total land area of approximately 25,000,000 acres, of which less than 20,000,000 are classified as agricultural lands, only half of which are improved, Virginia has almost unlimited opportunities for economic development through the adoption of a constructive state agricultural and forestry policy. This is even more apparent when it is realized that only about 25 per cent of the farm lands of the state are now under cultivation, about 25 per cent in pastures and about 45 per cent in woodlands, the remaining 5 per cent being waste lands. Reducing some of this to actual figures, it is estimated that there are approximately 1,500,000 acres of land which are lying idle, producing nothing, constituting a liability instead of an asset—or, perhaps, to be more accurate, constituting an actual liability, but a potential asset,

for these lands must and will be made productive through reforestation.

Developing an effective program for this, among other things, is part of the work mapped out by the forestry committee of the State Chamber. The better to illustrate this relation between agriculture and forestry, it would not be amiss to quote the closing statement of an address made several months ago before the Rotary Club of Pensacola, Fla., by O. H. L. Wernicke, general chairman of the Pine Institute of America and also president of the Pensacola Tar and Turpentine Co.:

"The development of billions of forest wealth on the lands not well suited to farming will in no wise retard or curtail the great agricultural and horticultural developments of the South. The South still has more than an abundance of cheap lands to accommodate many millions of the nation's growing population. The ideal to be sought is a proper balance of forests and farms. Each thrives best in the presence of the other."

Virginia's strictly agricultural and forest development must go hand in hand, for they are both problems of land utilization, and in this development the Virginia State Chamber of Commerce is leading the way.

There is another angle to this whole situation which can best be brought out by again referring to Mr. Wernicke's address, in which he says:

"In cutting away our forests we have harvested a crop we did not sow. This has sustained the industrial progress of these vast areas, but the end of this opportunity is drawing near. It brings us common problems of vital import, not only to landowners but also to railroad officials, manufacturers, merchants, bankers, printers, professional men and all others whose future welfare cannot be sustained permanently apart from that of the land.

"The problems confronting us have not been solved, because they are new. There would have been little sense in trying to solve them earlier. In fact, we may still neglect their solution without inviting actual famine or dire disaster for a time, but such neglect would be unwise and surely be followed by a reversal of progress in our civilized and material well-being."

Mr. Wernicke struck a true note when he intimated that one of the great needs of the time is to provide for a permanent forest crop.

When Captain John Smith landed on the shores of Tidewater Virginia, he found a forest as magnificent as the eye of man had ever beheld; a forest rising almost at the water's edge and extending on back—no one knew how far. At that time nearly the entire country was forested. The original forest area of Virginia was practically the same as the land area. Today we have a different tale to tell. The wooded area is estimated at approximately 13,800,000 acres, just a little over half the land area, and consequently it would not be surprising to anyone when the statement is made that the average annual consumption of lumber in Virginia is nearly double what the state produces. Nor does Virginia stand alone. The history of many states tells the story of once magnificent forests which are now gone and no great effort being made to reproduce these forests upon those lands which are not suited to agriculture. Applying the words of Mr. Wernicke, Virginia and many other states can still go along paying little or no attention to the forestry problem and still not be inflicted with dire disaster, because there are still sections of the country which can take care of us. But "such neglect would be unwise." Famine and disaster may not come in the immediate future, but the longer we neglect this problem the more tragic will be the disaster when it does come. The South has for long had at its disposal a forest resource that has been almost immeasur-

ably valuable. The South is now awakening to the fact that this resource is being rapidly depleted and that something must be done.

Virginia is doing something. In his message to the General Assembly the Governor had more to say about forestry than any other single subject; the budget includes 50 per cent increase in the appropriations for forestry, and the Virginia State Chamber, through its forestry committee, has thrown its weight into the fight of putting over an effective and worth-while forestry program which will cover the entire field of reforestation, protection from forest fires, popular education in forestry, purchase and management of state forests and aid in marketing forest products.

While these things are being worked out the forestry committee is already active in co-operating with the American Paper and Pulp Association and the Paper and Pulp Manufacturers of Virginia in the making of an exhaustive survey of the state, in order to determine as accurately as possible both the present and future pulpwood-producing possibilities. It is expected that the most valuable and pertinent parts of the final report will be published in the form of a document of the Virginia State Chamber of Commerce.

The forestry committee of the State Chamber of Commerce is composed of Chairman William D. Tyler, Dante, land agent, Clinchfield Coal Corporation, and former president Southern Forestry Congress; Milton E. Marcuse, Richmond, president, Bedford Pulp & Paper Co., and chairman Natural Resources Protection Committee, Chamber of Commerce of the United States; T. M. Gathright, Covington, supervisor, Alleghany county; Elis Olsson, West Point, vice-president and general manager the Chesapeake Corporation; secretary, George H. Cless, Jr., Portsmouth, executive secretary Portsmouth Chamber of Commerce.

Knoxville Water-Works Contracts Total \$1,000,000.

Knoxville, Tenn.—On the basis of bids recommended by city officials, statisticians and engineers from the office of Alvord, Burdick & Howson, Chicago, engineers for the construction of Knoxville's water-works, the total cost of four units will approximate \$1,000,000. Contract was awarded to J. M. Dunn & Son of Knoxville at \$585,000 for the construction of the pump station and filter plant building, tunnel and intake tower, coagulating basins and a 10,000,000-gallon reservoir. Other contracts include the following: Babcock & Wilcox Co., New York, for boilers and superheaters, \$35,416; Buford, Smith & Hall, Atlanta, for stokers at \$13,650, ash hopper \$3411, heater \$4885 and for feed pump at \$5049; Columbus Conveyor Co., Columbus, Ohio, weight larry; M. L. Bayard & Co., Philadelphia, filter equipment, \$67,500; Pittsburgh-Des Moines Steel Co., Chicago, wash-water tank; Ludlow Valve Manufacturing Co., Troy, N. Y., gate valves for pumping station, \$15,084, and for check valves at \$2470.

The Michigan Valve & Foundry Co., Detroit, was awarded contract for sluice gates at \$7850, and for valves and check valves at \$14,500; U. S. Cast Iron Pipe & Foundry Co., Birmingham, for pipe and fittings for pump station at \$67,398; Simplex Valve & Meter Co., Philadelphia, station meters, \$4785; Tennessee Armature & Motor Co., Knoxville, switchboard, and Warner Service Co., Knoxville, for power wiring.

The following low bidders are being considered for other contracts: Maris Brothers, Philadelphia, for traveling crane, \$4230; Milwaukee Electric Crane & Manufacturing Co., Milwaukee, gentry crane, \$12,000; Buford, Smith & Hall, high lift and low lift pumps, turbo-generator and wash pump, \$120,522, and the U. S. Cast Iron Pipe & Foundry Co., for cast iron pipe and fittings, \$439,000. The completed cost of the water works will be approximately \$2,200,000.

How a Thoughtful Farmer Sees Many Problems Which Confront America and the World.

New South Farm.

Prattville, Ala., February 13.

Editor Manufacturers Record:

For the last 26 years my entire farm has been located on the river. Before my time these lands were demonstrated to be the most valuable lands to cultivate. But forest destruction on the hills and drainage of the swamps have destroyed the water reservations and let loose too much water into the river, causing overflows much higher than ever known before.

In 1916 I lost all my cotton in August from overflow, and in 1919 the river covered my farm in January. My fences were buried with logs, trash and silt, or were broken and floated down stream and were all twisted up.

Only a river farmer knows how the low lands of southern Europe are suffering now. Winter pastures are destroyed, and much stored feed and fertilizer. Mud fills the buildings; mud clogs and fouls every machine.

So keep on preaching conservation of forests and building of unbreakable dams so as to save our valleys for the habitation of man. Man has ever settled in the valleys and builded cities in them. When the axmen destroyed the water reservations above and flooded the valleys below, the cities were abandoned, buried and forgotten.

You are exactly right in stating we have no personal liberty. A man in the hill country clears the forest, plows the land and lets it wash away, and it covers my land with poor sand permanently and water occasionally. The question arises: Has he the right to destroy his acre and mine, too, and leave nothing for posterity?

In 1914, when the Germans fired the first shot, cotton dropped to 6 cents a pound and broke most cotton farmers. We changed to meat supply. Buildings, fences, machinery and foundation stock were put in at fancy prices on borrowed capital. The deflation campaign culminated in the fall of 1920, after we had made a big crop on a high basis, that had to be sold for less than half the cost of production. It had cost lots of money to get ready to raise hogs and beef. The cost of all this investment became dead capital overnight.

We knew deflation had to come. We saw the reflection of public opinion in the Literary Digest as it came broadcast from the nation's editors. As far as that paper showed, not one word was said against deflation. We thought the world had gone mad and was headed to financial ruin without one voice of protest. But there was one voice that the writer did not hear, as at that time he was not a reader of the MANUFACTURERS RECORD, and this paper was not quoted in this issue in the Literary Digest! I pray that Mr. Edmonds will live to fight deflation until the farmer gets on his feet.

We think the editor of the MANUFACTURERS RECORD is entirely right in his campaign for cancellation of foreign debts. As a farmer, we regard the whole world as a great-big farm. If I had a big farm and a lot of tenants, and some big disaster overcame the tenants, and they owed me more than they were worth, and I was out of debt, I would cancel nearly all this indebtedness. Because as long as they were bound down by debt and poverty the income from the farm would be small. As long as there is no hope of reward, there is no incentive to action. This debt would continue to grow bigger and finally would involve me in ruin.

Just as the farmer farms his land, the business man, transporter and manufacturer have got to farm the world for profit. When a farmer farms land too poor, he goes into bankruptcy. When the world gets too poor, those who farm the world for a living profit will go into bankruptcy. We are our brother's keeper, and those who think not should be banished to the wilderness.

W. A. WADSWORTH, Proprietor.

Shreveport Completes \$700,000 Water Reservoir.

[Special Correspondence Manufacturers Record.]

Shreveport, La., February 24.

With the completion of Cross Lake Dam and the conduit line, at a cost of about \$700,000, Shreveport is provided with an abundant supply of pure, soft water, sufficient to supply the needs of the city until the population has increased to perhaps 500,000.

Cross Lake has a watershed area of 300 square miles, a water surface of 13 square miles and a storage capacity of 20,000,000,000 gallons.

An elaborate celebration marked the turning of the valve which connected the city with its new water supply. A half-holiday had been declared by Mayor E. L. Thomas in observance of the dedication of the utility, and thousands of persons, including hundreds of visitors, attended the services. The lake is located but a short distance from the city limits on its northwestern boundary. Years ago, when boats

sion of time was secured, and in 1922 a program was initiated to undertake the development. It was first necessary to obtain a permit from the War Department to convert the body of water into a reservoir, and it was estimated that the completed work would involve the expenditure of \$1,000,000. After a clear title to the land was secured, the J. N. Chester Engineers, Pittsburgh, were employed, and following extensive surveys they reported that Cross Lake was the logical source of supply.

It was decided that a \$1,000,000 bond issue would provide the necessary funds, and in August, 1923, this was voted by a big majority. Contracts were then let aggregating \$934,241 and work began. The reservoir proper cost less than \$700,000; the remainder of the bond money was spent for improvements to the water-works plant and for the construction of the Bayou Pierre sewer.

The work was divided into nine contracts, details of which are as follows:

E. J. Deas Co., Shreveport, had contract for constructing the Bayou Pierre sewer and pump station, completed in August, 1925, at a cost of \$96,951. The contract with the Chicago Bridge & Iron Co., Chicago, for the erection of the wash-water tank was completed in April, 1925, at a cost of \$4170. The Merkle Construction Co., Kansas City, Mo., completed in the same month the extension of the distribution system at a cost of \$94,588; L. S. Valley Co., New Orleans, La., also completed the installation of sewer pumps in the Bayou Pierre lift station, the contract price being \$11,090. A. W. Farney, Parkville, Mo., completed the clearing of Cross Lake in September, 1925, the cost being \$131,597.

The Kaucher-Hodges Co., Memphis, Tenn., handled the construction of the dam, the impervious fill and riprap, the total final estimate being \$238,891. A 30-inch conduit line, one-third of cast iron and the remainder of reinforced concrete, was built by the J. B. McCrary Co., Atlanta, the cost being about \$200,000. Contract with the F. B. Leopold Co., Inc., Pittsburgh, Pa., provided for equipment of the four new 750,000-gallon filters and repairs to the old filters, including the rearrangement of pipe lines, the total cost being \$70,047. The construction of the substructure and superstructure of the new filters and the construction of the new settling basin was handled by the Kaucher-Hodges Co., the cost being \$118,427.

The Shreveport city officials include: L. E. Thomas, Mayor;



NEW WATER-WORKS PUMPING PLANT.

plied up and down the Red River, Cross Lake was navigable. In 1898 J. N. Chester, employed then by the American Water-Works Co., conducted a survey of the Shreveport territory to determine a future supply for the city. After an extended survey, it was reported that Cross Lake would some day supply the city with water. But the project was so large that the idea was dropped.

The first official act toward the acquisition of the lake was in 1910, when 11,000 acres of land were purchased from the state at \$1 an acre; it was provided, however, that the water supply must be developed within 10 years. In 1920 an exten-



CROSS LAKE DAM, WHICH IMPOUNDS OVER 20,000,000,000 GALLONS OF WATER.

J. P. Dixon, Commissioner of Finance; W. T. Mayo, Commissioner of Public Welfare; R. L. Stringfellow, Commissioner of Public Safety; R. N. McKellar, Commissioner of Streets and Parks. The Water Board consists of W. T. Mayo, chairman; R. T. Moore, vice-chairman, and George M. Herane, S. A. Dickson, John Howat, H. M. Weil and L. E. Thomas.

Bethlehem Steel to Finance \$15,000,000 Pipe Mill and Other Improvements.

To finance the erection of a pipe mill at Sparrows Point, Md., estimated to cost \$15,000,000, and for other plant construction and enlargements, a large proportion of which will be at its Sparrows Point mills, the Bethlehem Steel Corporation plans to issue \$35,000,000 of 7 per cent cumulative preferred stock. The stock has been underwritten by a syndicate of New York bankers headed by the Guaranty Trust Company, and final ratification of plans for its issuance is expected at the annual meeting of stockholders of the company at Newark, N. J., on April 6. It is understood that construction of the proposed pipe mill will be started soon after that date.

The new mill—which was referred to several weeks ago by the MANUFACTURERS RECORD—and extensions to other departments of the Sparrows Point plant are being planned, it is said, not only to meet present demands but to provide for future needs. When contemplated enlargements are completed, the plant will be one of the most complete and important steel-making centers in the world. W. Frank Roberts is the general manager.

Sarasota Harbor Improvements Outlined.

J. M. Braxton of Jacksonville, who has been retained as designing and supervising engineer for harbor improvements to be made at Sarasota, Fla., writes the MANUFACTURERS RECORD that the proposed development is the outcome of an investigation and report made in behalf of the Sarasota Chamber of Commerce. The city of Sarasota has recently sold its electric light plant to the Florida Power & Light Co., the company agreeing to purchase from the city an island to be constructed in Sarasota Bay, near New Pass. The city has agreed to dredge a channel 22 feet deep leading from the Gulf to the island and to construct a bulkhead along the proposed island.

An entrance channel from the Gulf will be 300 feet wide, 22 feet deep, leading to a point inside the bay, thence 200 feet wide and of the same depth up to a turning basin, which will be approximately 1000 feet long and 500 feet wide. On the South side of the turning basin two islands will be constructed—one to be used by the electric company for a power station and the other by the city for municipal water terminals. A marginal dock 500 feet long will be constructed along the terminals.

Contract for dredging, to cost approximately \$800,000, has been awarded to R. A. Perry, Tampa, and work will start in 30 days time.

Architects Flock to Florida.

As indicating something of the building activity under way in Florida and the attraction such activity has for builders, contractors, architects and allied interests, W. D. Jenkins, secretary, Associated General Contractors of America, at Miami, writes the MANUFACTURERS RECORD concerning the increase in the number of architects in that city and in the state of Florida as follows:

"In November, 1924, there were 37 architects in Miami and a year later there were 87. In the state in 1924 there were 273, and a year later there were 600. This will probably give you some idea of the difficulty of keeping track of affairs."

[The following advertisement appeared in the New York Herald Tribune recently, inserted by William Douglass Kilpatrick, real estate operator of New York. Mr. Kilpatrick often inserts at his own expense somewhat similar advertisements on the question of Prohibition. He shows his faith by his works and his belief in Prohibition by spending his own money to advance the cause. We commend to our readers a careful study of the advertisement, which the Manufacturers Record has inserted without cost, of course, to Mr. Kilpatrick, and even without his knowledge.—Editor Manufacturers Record.]



HOW Abraham Lincoln's PROHIBITION PROPHECY CAME TRUE

Herewith is the significant prediction, as related in Irving Bacheller's book, "A Man for the Ages," published by Bobbs-Merrill Co.:

"All that kind of thing can be safely left to the common sense of our people," said Abe. "The remedy is education, not revolution. Slowly the people will have to set down all the items in the ledger of common sense that passes from sire to son. By and by some generation will strike a balance. That may not come in 100 years. Soon or late the majority of the people will reach a reckoning with John Barleycorn. If there is too much against him, they will act. You might as well try to stop a glacier by building a dam in front of it. They have opened an account with slavery, too. By and by they will decide its fate."

THE FULFILLMENT OF ABRAHAM LINCOLN'S PROHIBITION PROPHECY IS THE 18TH AMENDMENT TO THE CONSTITUTION OF THE UNITED STATES.

During the 70 years since the foregoing prediction was uttered the people DID slowly set down all the items in the ledger of common sense that passes from sire to son.

The liquor interests, who, "for ways that are dark and tricks that are vain," are, like Bret Harte's Heathen Chinee "peculiar," vigorously, not to say frantically, built a dam of the materials customarily used in liquor propaganda, but the great glacier of Prohibition, composed of "Education not Revolution," cold, hard, business facts, sheer common sense, civic decency and national righteousness, swept on in stately grandeur, crushing the dam erected by the liquor interests.

The adoption of the Eighteenth Amendment to the Constitution represents the inner aspiration of the nation. It represents the deliberate, careful action, the supreme intelligence, the irrevocable, unalterable will and determination of the most far seeing, the most hard-headed nation in the world—the freemen of the United States.

The United States is recognized as the greatest business nation in the world, AND IT WAS A BUSINESS NATION which placed the Eighteenth Amendment in the Constitution.

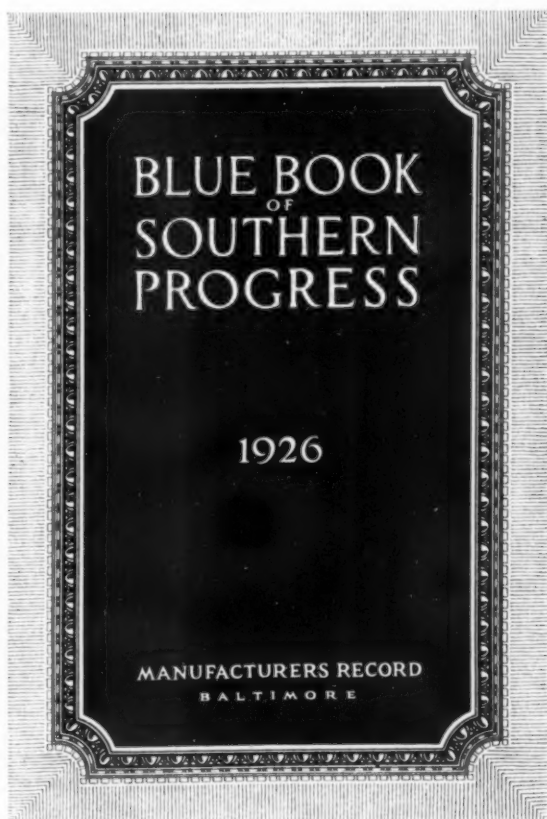
Prohibition was not a new experiment; it had been tried and tested in thirty-three states prior to National Prohibition, and not found wanting—

Hence: the Eighteenth Amendment—

Hence, the fulfillment of Abraham Lincoln's prediction.

WILLIAM DOUGLASS KILPATRICK, Real Estate,
Singer Building, N. Y. C.

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Many thousands of copies are subscribed to and distributed each year among representative business men of this country and abroad. It has become a part of the necessary equipment of public and private libraries; invaluable to colleges and universities, to key men in large business organizations, and to all those who find it necessary to have authoritative data and statistics about the South readily at hand.

IN the publishing of this book we invite co-operation through advertising pages, by business firms, railroads, chambers of commerce, financial institutions, business in the South or who desire to attract capital and industries and the progress of the South, which has focused the attention of the world.

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THE constant demand for information about the South makes the BLUE BOOK OF SOUTHERN PROGRESS a continuous book of reference, and has created advertising opportunities of which many firms in the South and elsewhere take advantage.

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A birds'-eye view of the mighty panorama which is being unrolled before the astonished gaze of the world.

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The South's Cotton-Mill Labor.

Lumbering, Furniture Making and Woodworking in the South.

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Hotel Building in the South in 1925.

Southern Agriculture and a Résumé of the South's Agricultural Progress.

Educational Progress in the South—A Remarkable Advance in which the South Shows Greater Relative Increase than the Rest of the Country.

The Key that Unlocks Paradise is Climate, and the South Holds the Key.

[In addition, there will be presented elaborate statistical tables of practically every phase of Southern activities by states, covering a period of years, as well as a summary of the South's and the country's economic progress, and the development of individual Southern states, 1900-1925.]

hensive purchasing of copies and through representation in the advertising
 institutions, manufacturers and producers, and all those who are seeking
 have been active factors in helping to make possible the truly amazing
 world favored section of our country.

What others have said about previous issues of the BLUE BOOK OF SOUTHERN PROGRESS

BUSINESS men do not always take the time to write to publishers endorsing their work. THE MANUFACTURERS RECORD, however, is fortunate in being constantly in receipt of letters of the warmest praise from leaders in business in all parts of the country. Following are extracts from a few of many letters about the Blue Book of Southern Progress:

IT IS a most useful book of reference and seems to me to reflect a high degree of credit upon the MANUFACTURERS RECORD.—*Arthur D. Little, Chemist, and Engineer, Cambridge, Mass.*

I APPRECIATE your sending me this book, which is so packed with facts and figures showing the splendid progress the South is making. You and your great paper deserve a tremendous amount of credit for the way you are boosting and backing up the South. I feel sure that the next ten years will see many of the things you have advocated with reference to establishment of industries in the South come to pass.—*W. E. Mitchell, Asst. Gen. Manager, Alabama Power Company, Birmingham, Ala.*

THE BLUE BOOK OF SOUTHERN PROGRESS is an admirable compilation and will be a very great service to us as a work of reference.—*French Strother, World's Work, Garden City, N. Y.*

YOU HAVE much cause for enthusiasm and pride covering the remarkable growth of the South during the past ten or fifteen years. Your BLUE BOOK OF SOUTHERN PROGRESS will be valuable to our Commercial Department. I will see that it is given all due consideration.—*Geo. M. Verity, President, American Rolling Mill Co., Middletown, Ohio.*

IT IS by constant presentation of the remarkable economic and industrial change in the Southern states that the remainder of our country will grasp what has really occurred there within the last few years. I know of nothing that places the facts before us with such outstanding clarity as your BLUE BOOK OF SOUTHERN PROGRESS.—*C. H. Boynton, Atlas Portland Cement Company, New York, N. Y.*

WE REGARD this book as of pre-eminent value to the South and the nation. The educational bodies in the South charged with teaching the youth should see to it that a copy is placed in the hands of every boy and girl under their care.—*C. O. Kuester, Business Manager, Charlotte (N. C.) Chamber of Commerce.*

YOUR BLUE BOOK OF SOUTHERN PROGRESS certainly is a masterpiece and ought to do much toward awakening the constructive forces of the South with their tremendous possibilities and responsibilities.—*Harry F. Atwood, President, Constitution Anniversary Association, Chicago, Illinois.*

A LARGE number of the more successful men of this section have begun to look upon the BLUE BOOK OF SOUTHERN PROGRESS as a regular institution. The value which our people place upon the book is shown by the many public references made to its distribution and requests from various organizations for copies.—*C. O. Carpenter, Assistant Vice-President, Fourth National Bank, Macon, Ga.*

I CANNOT conceive of a more useful publication. It is so attractively arranged that it will appeal to a large element of people who have not heretofore been reached by publications of this character.—*J. C. Rich, General Solicitor, Gulf, Mobile & Northern Railroad Company, Mobile, Ala.*

I AM going to write you what I honestly think about your BLUE BOOK OF SOUTHERN PROGRESS. You think in terms of the nation. There is nothing narrow, sectional, petty or confined about your point of view. You believe in the whole United States.—*James A. Green, President, The Matthew Addy Company, Cincinnati, Ohio.*

MANUFACTURERS RECORD, BALTIMORE, MD.

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Please send copies of the BLUE BOOK OF SOUTHERN PROGRESS to names on the attached list and send bill.

Date.....

Advertising and subscription rates on previous pages.

Former Ambassador to Germany on Our War-Debt Policy.

[From the New York Times.]

When in Paris last spring I incurred the displeasure of our President because the Paris correspondent of a New York newspaper had falsely cabled that "I was going about Paris soft-pedaling on the French debt." In denying this charge in an interview given at that time to the New York Times I stated that it was perhaps better taste for Americans abroad not to discuss questions relating to the foreign policy of our country, but that no one could take that right away from an American citizen at home.

We in America, although outside the hatreds and jealousies of Europe, are vitally interested in two things—the maintenance of peace in the world at large and the continuance of our own prosperity.

To be prosperous we must do more than buy and sell to each other. That is merely living by taking in each other's washing. We must sell food supplies, cotton, tobacco, copper, petroleum and manufactures abroad, and unless other nations are in a position to buy, no advantage can come to us, however ready we are to sell.

Before a country is in a position to buy, and to buy regularly, five events must successively take place in that country. A stable Government must be established, the foreign debts must be adjusted, the budget must be balanced, the currency must be stabilized, there must be economic readjustment.

At this moment Germany, for example, is in the last stage. France is not even in the first.

No country can be in the position of a steady customer until its debt is adjusted.

We may think that we lose by exercising leniency as creditors. We may forgive a little, but wheat and cotton will jump in price when a financially restored Europe becomes a persistent buyer.

We have just entered the World Court. We are to sit with the other nations at a disarmament conference. Shall we not be members on an equal basis? But we shall not be on an equal basis if we join in the conference as the grim, the hated creditor.

It is true that there are many arguments in favor of payment of our demands in full. Our debtor countries, while owing us unpaid loans, have embarked on military adventures. Great Britain, for example, has sought to hold Mesopotamia in subjugation, France to hold Syria, and France is expending vast sums in the subjugation of the Riff.

But, Mr. Farmer, Mr. Business Man and Mr. Banker, does the fact that your debtor has spent some of the money you lent him in foolish speculations prevent your helping him back to sanity and solvency, or do you punish him with immediate bankruptcy because he has not been thrifty according to your lights?

Mr. Farmer, Mr. Business Man, Mr. Banker, if a man owes you money, do you demand instant payment in full and make a bankrupt and an enemy, or do you help the situation along, taking what the debtor can pay, assisting him, giving him time and even more money, until he stands once more on his financial feet, your friend and customer for life?

The money which we lent to Europe was spent, to a very great extent, in this country, at high prices and at enormous profit to the sellers. The spending of that money gave the first push to our present prosperity and high prices.

After the Napoleonic Wars, when Napoleon threatened the

the world just as the ambitions of the Prussian military class threatened the world in 1914, England, moved by an enlightened policy, forgave the Continental nations the vast sums of gold advanced to them to enable them to carry on the fight.

Do you really think that the children and grandchildren of our Allies are coming to us sixty years from now with sacks of gold, the representations of a conquered people bearing tribute on a sculptured bas-relief of the Pharaohs?

During the war, at a sitting of the German Parliament, a member stated that the "Disunited States of Europe were making war for the benefit of the United States of America." Torn by war, harried by jealousies, the Europe of today, at Locarno, came as near a union as since the days when Charlemagne was crowned Emperor.

The States of a united Europe no longer look to the United States. The economic and the political map of Europe has changed, but the psychology of Europe remains the same, and that desire for war and conquest which has never been absent from some part of Europe for more than thirteen years at a time since the birth of Christ may lead a united Europe to look to the Uncle from America—to the rich land of fat "dollar chasers"—for the spoils and plunder of war. We are looked on as the Shylocks of the world, exacting from starving peoples our pound of gold. Do not believe for one moment that Europe pictures us as a nation of idealists.

Like amiable puppies, we seek the good-will of all. We have earned only hatred and envy. We prate of idealism, of the brotherhood of man, of the hope of ending forever the menace of war, and to a Europe industrially bleeding we offer only advice which is not wanted and present our bills for money lent.

It is going too far to forgive the debts of all nations to us, but a lenient policy will pay. Above all, the adjustments must be made speedily, and when all have been made we should voluntarily give to each nation the benefit of the best terms given to any nation.

It is doubtful whether Germany can meet the terms of the Dawes plan. Although Germany has complied with the first four essentials—viz., a stable Government, adjustment of debts, balancing of the budget and stabilizing of currency—the fifth problem, that of industrial reorganization, coupled as it is with the heavy payments to be made under the Dawes plan, is difficult to solve. The United States as a purchaser is cut off by our tariff wall. Our leniency to our debtors will be reflected in leniency to Germany.

The British, in the throes of industrial and social readjustment, made a settlement with us. Think of what a splendid impression would be made in the far-flung British Empire if we should voluntarily reduce the debt to the best terms given any nation! That is the kind of international action that would disarm the world.

JAMES W. GERARD.

New York, February 3, 1926.

A Suggestion for an International Conference on the Indebtedness of the Allies to the United States.

To the Editor of the London Morning Post:

Sir—On September 24 this year an American journal, the MANUFACTURERS RECORD of Baltimore, U. S. A., published a very rational and broad-minded article on the subject of America's indebtedness to the Allies. The article was entitled "Do We Not Owe the Allies More Than They Owe Us?" and in it the writer claimed that the United States regained her industrial feet by the war, was saved by the blood and money of the Allies, and repaid them by unconscionable and unscrupulous profiteering. "Literally," added the writer, "our

business interests were being fertilized by the blood of the millions of soldiers who were dying on the battlefields of Europe."

If Germany had won the war there is undeniable evidence, as manifested in the newly published letters of the late Ambassador Page, that she would then have invaded the United States.

"We have often," the writer continues, "claimed that we saved Europe. With equal truth we might say that Europe saved America. Since we could not put a soldier on the battlefield for over a year, the best we could do was to help to finance the Allies."

In the light of this situation, though this view may be contrary to that of many of its readers, the MANUFACTURERS RECORD unhesitatingly takes the ground that the indebtedness of the Allies to the United States Government should be either entirely wiped out or so materially reduced as to completely change the whole situation.

The views thus expounded are, I can affirm from long residence in the United States, common to a great number of American citizens. I feel convinced, therefore, that if the Allies would only convene a conference, and invite America to attend it, to discuss the cost of the World War, as well as the consequent Inter-Allied debts, and to consider the question of reapportioning that cost according to the wealth and population of each Ally, including America, a great advance would be made toward mitigating the intolerable economic and financial difficulties of Europe, and lightening the burden of the British taxpayer.

Yours, etc.

THOMAS S. BAKER.

Hollywood, West Byfleet, Surrey, November 28.

A Suggestion That France Pay Its Indebtedness by Ceding Certain Tropical Colonies to United States.

Ballston, Va., January 30.

Editor Manufacturers Record:

While in Florida, a few weeks ago, a conversation with a friend veered around to the French debt settlement, and he brought me a copy of your issue of December 12, the contents of which so interested me that on my return home I looked up a file of your publication in the library to learn what previously had been said on the subject. You have so freely given space alike to those who agree and differ with your views that I venture to take advantage of your invitation to discuss this subject in the MANUFACTURERS RECORD and ask you to publish this material which suggests a solution of the debt problem that apparently has escaped previous contributors. It contains also a table of the American imports of tropical articles for the year ending June, 1925, in the thought that it may be of interest to you.

France owes the United States \$4,000,000,000. The funds for the loan were obtained from the sale of Liberty bonds by the American Government. It follows that whatever part of the debt remains unpaid inevitably must be paid by the American taxpayer.

France has an area of 212,660 square miles and a population of a trifle more than 39,000,000, practically at a standstill, and 5,598,135 square miles of tropical colonies as follows: In Asia, 310,075 square miles; America, 33,165; Africa, 5,245,725; Oceania, 9170. The United States, including Alaska, is 3,560,920 square miles in extent, has a growing population of more than 112,000,000, and tropical colonies, including the Philippines, with an area of 125,365 square miles. As a result of the war France acquired 296,000 square miles of territory from Germany.

The American imports of tropical products exceed \$1,500,000,000 annually, mostly obtained from foreign countries. Because of our lack of tropical colonies for the production of tropical products we are unable to protect ourselves from imposition by foreign trade monopolies in these staples which increase the cost of living of all citizens. Witness the abnor-

mal rise in the price of rubber and coffee during the current year.

In addition to the need of larger tropical colonies for the production, under our own flag, of a larger part of our rapidly growing import from the tropics, there is our need of additional naval harbors in the Pacific in relation to the Panama Canal and for better communications with the Philippines.

France claims incapacity to pay her debt, though it is a curious fact that she has spent 3,000,000,000 francs on military adventures in Syria and Morocco. Granting that she is unable to pay in cash, with the large colonial empire indicated in a previous paragraph, for which she has not the population nor the financial resources for development within a reasonable period, it would appear that France, without suffering any loss of national prestige or prospects of future greatness, to the mutual advantage of both contracting countries, might cede part of her colonies to the United States as part payment of her debt. I refer to the following countries: Madagascar, 228,000 square miles; French Guiana, 32,000; French West Indies, 1665; French Oceania, 1520; New Caledonia, 7650—total, 270,835 square miles.

For these lands the United States could afford to pay a liberal price, the acquisition of which would enable this country to grow a large part of its imports of tropical products. Again, by the possession of the Marquesas and the Society Islands it would gain control of excellent harbors of great strategic importance in relation to the Panama Canal and strengthen its communications with the Philippines. Their value as colonies to France is negligible from whatever point of view. In addition to providing for our wants of tropical raw materials, development of these lands would create new markets for our home products.

The advantage accruing to France from the arrangement indicated would consist not only in relieving her of direct payment with attendant financial strain, but the cession of the lands in question would strengthen her finances by lessening her administrative expenses, which exceed the revenue by a considerable margin in most of her colonies. Finally, as a recognition of the value of American intervention, without which France probably would have been reduced in area and lost part of her colonies, instead of adding thereto and sharing in the indemnity paid by Germany, the cession of these lands would cement the traditional friendship between the two great Republics, which may stand France in good stead in another war, and France still would possess a colonial empire of 5,327,000 square miles, most of it contiguous territory within easy reach of the mother country.

Many Americans who would welcome acquisition of the other lands might think Madagascar too far away. As a matter of fact, it is no farther away than the Philippine Islands. And when little Holland manages successfully to hold her East Asiatic colonies and Guiana, surely the United States might dare accept Madagascar were it offered.

Except in the West Indies, which long have been under French domination, and are densely populated with people in whose veins flows much French blood, no objection to a change of sovereignty need be anticipated from the natives in the countries under consideration, since these are thinly populated, and the inhabitants are primitive and uneducated.

P. J. WESTER.

50 Homes for Babson Park.

Babson Park, Fla.—The construction of 50 dwellings in Cody's Forest Hills development here will be financed by W. M. Jenkins and J. Paul Butler of Pittsburgh, the first unit of ten to be started at once. Additional units will follow. The dwellings will contain five or six rooms and will be of Spanish architecture, the exterior of each to be different. B. H. Layman of Miami is the contractor.

International Trade Exposition at New Orleans.

PERMANENT EXHIBITS FOR MANUFACTURES AND RAW PRODUCTS OF MISSISSIPPI VALLEY, LATIN AMERICA, THE ORIENT AND EUROPE—ALREADY 200 EXHIBITORS FOR SHOW WHICH OPENED FEBRUARY 1.

By THOMAS EWING DABNEY.

New Orleans, La., February 26.

The seriousness with which the management of the New Orleans Permanent International Trade Exposition is attacking its task of developing here a great world market is illustrated in the fact that it is paying the transportation to and from New Orleans of leading men in certain industries of Latin America. There are no buying catches to this—merchants, men interested in mining industries or industry in general, and plantation owners in Mexico, Central America, South America, Cuba and Porto Rico are eligible for this free transportation. The only requirements are: They must come to New Orleans by steamer, and leave New Orleans by steamer; they must register at the exhibition building; they must present a letter from an American consular representative, stating that they come within the occupations mentioned.

It is expected that at least 5000 men in key positions of industry will be thus brought to New Orleans, and to the great "Intrex" market, wherein are displayed, and will be displayed, the principal manufactures and raw products of the Mississippi Valley, Latin America, the Orient and European countries. And this exhibition is one of the big factors in the development of New Orleans today and, in a larger sense, of the countries that avail themselves of this "show-case" exhibition space.

Upward of 200 exhibitors already have contracted for space in the exhibition. Most of them already have established their exhibits. Many have increased their space as the value of the display became more obvious. Other exhibitors are seeking reservations. The International Trade Exhibition has Government backing, and the Government has given for the purpose one of its three concrete warehouses on the Mississippi River and Industrial Canal rent free. President Coolidge on February 1 pressed the electric button that opened the exhibition, and Secretary of Commerce Hoover, in a special message on that occasion, said:

"This is the first effort to set up such a mart on a large scale and on a permanent basis in the United States. While it may be something in the nature of an experiment, it offers great possibilities of real accomplishment in the promotion of trade relations and the advancement of better understanding among peoples of various countries. The advantages to be gained from gathering together the merchants and manufacturers of different countries are not to be measured alone by the new business created. There can be brought about greater economy of doing business and an intimacy of contact that makes for good feeling.

"New Orleans is peculiarly well located for the development of this idea. With the improvement of the Mississippi waterway with its laterals, it becomes the focal point for the movement of trade between the great hinterland in the United States and the great hinterland in Latin America."

And Representative O'Connor of Louisiana, speaking in the House of Representatives, said:

"The International Trade Exhibition in New Orleans, wherein will be permanently shown the world's various products and evidences of her proud claim of being the second greatest port in the United States, and one of the greatest market places in the world, will work for the development of the Mississippi system day and night. That exhibition will be the ideal show place where buyer and seller will meet. Strange, far-away lands will become less strange; their products will be seen, bought and sold, and trade will tie that international bond of friendship and understanding that is for the ultimate good of mankind."

The International Trade Exhibition is a non-profit and

co-operative institution, managed by representative business men of New Orleans. S. Odenheimer, a manufacturer of cotton goods, is the president, and a large part of the success of the undertaking is due to his efforts. Charles Wallace did the preliminary organizing work. Endorsed by the business exchanges of New Orleans, it also has the active co-operation of the banks and principal business houses.

It differs from ordinary exhibitions in that there is no amusement feature connected with it and, what is more important, in the fact that it is a permanent affair. It is a permanent trade market where samples of raw and fabricated products may be exhibited and where buyers and sellers may meet for the promotion of trade and commerce in these products.

The building in which the exhibition is housed is 140 by 600 feet, six stories high, and contains 500,000 square feet, sufficient space to display great assortments of every known fabricated and raw product in the world. The charge for space is \$3 per square foot a year. The money obtained for space other than that required for overhead charges and expenses is being used in publicity and advertising and other services to exhibitors. Among these services are interpreting, credit information, transportation matters, tariff questions, packing of goods and the finding new markets.

Practically all the space on the first and second floors of the building have been reserved, and space is now going on the third. Here is seen today a variegated display, ranging from bulky machinery to tiny, but immensely valuable, gems; from food products, as they come out of the ground, to dainty confections in their attractive cartons.

One of the most important features of the exhibition is the agricultural display. Under the management of C. B. Perkins of Brookhaven, Miss., the agricultural section is working to present a complete roster of the agricultural product of the nation. Louisiana and Mississippi are first being encouraged to show the world what they can do in the farming line. When these exhibits are complete, the agricultural department will extend its efforts further afield.

Atlanta to Vote on \$8,000,000 of Bonds.

Atlanta, Ga.—Endorsing a proposed issue of \$8,000,000 of municipal bonds as outlined by City Comptroller B. Graham West, the City Council of Atlanta has passed an order fixing March 24 as the date of a special election on the issue. Tentative plans for allocation of proposed funds include \$3,500,000 for schools and equipment, \$2,000,000 for sewers, \$1,000,000 for new city hall, \$1,000,000 for viaducts over South Pryor street and Central avenue and \$500,000 for extensions in the water department.

Mayor Walter A. Sims has been empowered to appoint a bond committee to enlist support in the project and to handle advertising and other problems in connection with the proposal. The mayor also has been authorized to name a special bond commission to supervise the expenditure of all funds in the event that the bonds are voted.

Bonds in the amount of \$410,000, of which \$160,000 will be used for water-works extension and \$250,000 for other improvements, will be sold on March 11 by the city of Plant City, Fla., W. H. Durrance, city clerk.

\$50,000,000 DEVELOPMENT PROGRAM LAUNCHED.

Davis Shores Contracts Let to Foundation Co. Provide for Two Large Hotels and Other Improvements for Total of \$10,000,000.

A contract has been awarded by the D. P. Davis Properties, Inc., to the Foundation Company of New York and Atlanta, calling for buildings and physical development of Davis Shores at St. Augustine, Fla., which will total more than \$8,000,000 and may reach \$10,000,000. According to information sent the MANUFACTURERS RECORD by the Foundation Company, the contract includes a major portion of a \$5,000,000 building program for 1926, embracing approximately \$500,000 worth of construction already in progress. It will cover the construction of two large hotels, one of which will cost \$1,000,000; \$200,000 yacht club, \$200,000 casino and Roman pool, Davis Shores Country Club, numerous apartment houses and scores of dwellings. Construction at present under way includes eight buildings, three of which are apartments.

In addition to buildings, the Foundation Company will pave streets, lay sidewalks, curbs, install water and gas mains, sewage-disposal drains, lighting fixtures, put power, light and telephone wires in conduits and make them available for each lot owner. Street paving will cover 44 miles, in widths of 60, 80 and 100 feet, while sidewalks and curbing will total 87 miles. Nine bridges will be built over interior waterways at a cost of \$15,000 each; storm-drain construction will total 17 miles and sanitary sewers 31 miles, this contract involving an expenditure of \$1,250,000.

A lighting contract, said to be the largest single installation job for a real estate development ever awarded, calls for 1900 reinforced concrete standards. These will be 15 feet high on boulevards and 12 feet on lateral streets. The total cost of electrical installation, including wires in conduits to lot lines, will be \$250,000. Gas and water for domestic use will be piped to each lot line, the cost of each of these contracts to be \$500,000. Telephone wires will also be run to lot lines in conduits.

The Foundation Company plans to have 1500 workers engaged on the project, a model camp for the first unit having already been built. This camp contains mess halls, bunk houses, electrical shops, sawmill and other facilities. The company will handle all phases of the Davis Shores \$50,000,000 development, except the work of dredging, which is well advanced, and the construction of a seawall, which has recently been started, and landscaping and beautification, these last two activities being under the direct control of the Davis organization.

Structural-Steel Sales.

The Department of Commerce announces sales of fabricated structural steel for January as 59 per cent of capacity, based on total bookings of 156,935 tons reported by fabricators with a capacity of 264,545 tons per month, as against December bookings of 75 per cent of capacity and 57 per cent a year ago. Shipments of fabricated structural steel in January represented 69 per cent of the capacity of firms reporting this item, as against 79 per cent in December and 58 per cent a year ago. Total shipments in 1925 amounted to 2,754,150 tons, compared with 2,440,690 tons shipped in 1924.

The following table shows the monthly capacity for each year since 1913 of 243 firms reporting these items, including 17 firms now out of business; the total capacity for fabricating structural steel each year as estimated from these returns, the percentage of bookings to capacity each year (the figures up to 1922 being obtained from trade sources),

and the total bookings computed from this percentage and the estimated capacity. The capacity of structural-steel shops is quite elastic in that this same capacity, when not busy on structural work, may be used for plate work, shipbuilding, etc., and similarly capacity ordinarily devoted to these other lines may be used at times for structural work. The capacity taken for this survey represents the amount of structural work that could actually be turned out running single turn on the character and class of structural work usually secured.

FABRICATION OF STRUCTURAL STEEL, 1913-1925.

Year	Monthly Capacity (In net tons)		Per cent of capacity	Annual Bookings Computed tonnage
	Reported by 243 firms	Total es- timated		
1913	195,480	210,000	50	1,260,000
1914	196,330	211,000	50	1,266,000
1915	198,640	214,000	70	1,797,600
1916	205,425	222,000	69	1,838,100
1917	212,765	231,000	60	1,663,200
1918	224,450	244,000	56	1,639,680
1919	231,640	252,000	53	1,602,720
1920	238,695	260,000	54	1,684,800
1921	242,520	265,000	35	1,113,000
1922	265,035	284,000	64	2,181,120
1923	265,900	285,000	65	2,208,750
1924	274,175	293,000	69	2,426,040
1925	286,335	305,000	74	2,708,400

Marked Building Activity at Anderson—Various Projects Announced Will Involve Expenditure of \$3,000,000.

Chamber of Commerce.

Anderson, S. C., February 20.

Editor Manufacturers Record:

The city of Anderson, including its immediate vicinity, is enjoying the greatest period of building activities experienced in the last 15 years. The chief expansion already under way is the construction of 200 homes for textile workers at a cost of \$285,000, divided as follows: Appleton Manufacturing Co., 100 houses to cost \$125,000; Riverside and Toxaway Mills, 48 houses, \$60,000; Orr Cotton Mills, 25 houses, \$50,000, and Anderson Cotton Mills, 30 houses, \$50,000.

Supplementing the construction of employees' houses, the Ladlassie Corporation is erecting a \$200,000 mill, city residences to cost \$70,000 are under construction, a new Coca-Cola plant is nearing completion and an addition for the Oakwood Baptist Church is in progress. With the exception of the Coca-Cola plant, all this construction has been started since the first of the year.

Including the proposed expenditure of the Appleton Manufacturing Co. of Lowell, Mass., which recently acquired the Brogon Mills here, announcements have been made which will involve the expenditure of approximately \$3,000,000. This sets a new high record for this city. The Anderson Chamber of Commerce has recently announced the establishment within 60 days of a 500-watt radio broadcasting station to be erected on the roof of the new John C. Calhoun Hotel, completed last April at a cost of approximately \$250,000. The entire issue of stock, without bonds, was placed with local people, and the hotel is now being operated on a guaranteed 7 per cent basis to stockholders.

A. P. FANT, Executive Secretary.

New Ship Line Baltimore to Florida.

According to a recent announcement by W. R. Virtue & Co. of New York, they will inaugurate a steamship service between Baltimore and Tampa and St. Petersburg, Fla., in conjunction with their line from New York to those points, recently put into operation. The Baltimore service, it is stated, will be semi-monthly and on a permanent basis. It is understood that the company owns its New York piers and is arranging for private docking space at the Florida ports. C. A. Sullivan & Co. are the Baltimore agents.

An Open-Shop Railroad in Arkansas.

SUCCESS OF AGRICULTURAL DEPARTMENT IN DEVELOPMENT WORK IN THE OZARKS.

By TOM SHIRAS.

Mountain Home, Ark., March 1.

With half a million dollars set aside for improvements this year, and a steadily increasing business, the Missouri & North Arkansas Railroad, running from Joplin, Mo., to Helena, Ark., enters the year in the best shape in its history of operation. During the last two years it has risen like new fire from dead ashes, and is operating on a sound foundation. Three years ago, harassed by financial difficulties and in the throes of one of the worst strikes in the history of the state, it was forced to suspend operations. After a year's suspension the citizens in the territory which it served broke the strike by taking its affairs in their own hands, and in one week had cleared up all the labor troubles that confronted it. The road emerged from its unfortunate position as an open-shop road in all departments, and has been operating as such ever since. About a year ago the strike was officially called off and there has been no more disorder. Today the road is handling more through and local tonnage than it ever handled before, and with the promised development of river terminals at Helena, Ark., may become an important transportation factor between the middle West and New Orleans.

The total gain in revenues made in 1925 over 1924 was approximately 10 per cent, and was made in a large degree on local tonnage from new agricultural developments in the territory. Immediately after the road resumed operations in 1923, W. L. Flanery, agriculturist, was added to the staff, with instructions to increase agricultural tonnage in the territory, and results from these activities began to show nicely.

The efforts of the road's agricultural department have been directed on fruit raising, livestock raising, dairying and canning. For many years there has been a small tomato-canning industry in the territory, but tonnage from this source was very light. In 1924 there were only 30 plants in operation, and many of these were of small capacity. Thirty-five new plants were established in 1925, bringing the total up to 65, with an increase of 10,000 acres in the tomato acreage. Three hundred and sixty-four carloads of canned tomatoes were shipped in 1924 and 800 cars were moved in 1925.

There were no commercial vineyards in the territory in 1923, and the soil was strongly adapted to the culture of grapes. Through the activities of the agricultural department of the railroad, 800 acres were set to grapes in 1924 and 750 acres in 1925. This acreage alone, when it comes into bearing, will produce an annual tonnage of 400 cars, and the program includes the setting of new vineyards every year in the future.

Poultry shipments, too, showed a healthy increase. One hundred cars of chickens were shipped in 1924, against 158 in 1925, and egg shipments were increased 22 carloads. Harrison, Ark., alone, in 1925 shipped 68 carloads of poultry and 41 cars of eggs.

Apple shipments in 1924 amounted to 128 carloads and in 1925 185 carloads. Many new orchards were set in both 1924 and 1925, which will produce more tonnage in this line when they come into bearing.

Cream shipments in 1924 amounted to 1,700,640 pounds; in 1925, 3,401,280. The dairy industry is being stressed at this time by the agricultural department of the road for the reason that it is naturally adapted to the territory. In fact, the Ozarks as a whole probably constitute the greatest unde-

veloped dairy section in the United States, and the industry is increasing rapidly each year. This year dairy schools will be held one day each month at Berryville, Green Forest, Marshall, Harrison and Leslie. The agricultural department of the railroad will be assisted in this work by the county agents in the counties in which these towns are located and by the Extension Department of the University.

Land along the Missouri & North Arkansas Railroad is susceptible to many lines of agricultural development. Hundreds of thousands of acres are still uncleared and in virgin timber. The highlands are adapted to fruit raising, stock raising, dairying and diversified farming. The valley lands that lie along the creeks and rivers are very rich and produce all the crops raised in the temperate zone. No section of the United States raises finer apples than are raised here, and more new varieties have probably been propagated here than any other locality in the country.

Besides the agricultural resources of the region there are immense forests of hardwood, zinc, lead, manganese, marble and limestone. A number of new developments have begun. Zinc and lead mines have started operations in the Cave Creek district, near St. Joe, and some ore is now being hauled to that point for shipment. The timber industry is also taking on new life.

66,000-Acre Estate Acquired for Development.

Myrtle Beach, S. C.—Myrtle Beach Estates, seaside resort, has been purchased by John T. Woodside of Greenville and associates, who plan a big development of the property, which contains more than 66,000 acres. The transaction was handled by H. B. Springs of Greenville, who had the property for sale, and W. T. Henderson of the real estate firm of Henderson & Martin, also of Greenville.

The property has been owned and operated for a number of years by the Myrtle Beach Farms Co. It is located on the eastern coast of South Carolina in four townships of Horry county, and is in one tract. There is a broad expanse of ocean front, with a strand sloping gradually from the highland to a smooth, unobstructed beach. Nine fresh-water lakes are located a few hundred yards from the ocean, and these vary in size from two to fifteen acres. The Myrtle Beach development is located on the lower end of the property, improvements including a hotel and annex, with a total of 100 rooms; a number of private cottages, large bathhouse and new pavilion and convention hall.

It is the plan of the purchasers to develop the property into a winter and summer resort, which will involve the erection of hotels, construction of golf courses and other facilities.

Sub-Contracts on \$1,000,000 Office Building.

The Hunkin-Conkey Construction Co. of Cleveland, Ohio, general contractor for the erection of the new \$1,000,000 bank and office building at Charlotte, N. C., for the First National Bank of that city, advises that it has placed sub-contracts for the following items: Structural steel, Newport News Shipbuilding & Dry Dock Co., Newport News, Va.; reinforcing steel, Southern Engineering Co., Charlotte, and granite, John Swenson Granite Co., Concord, N. H. Contract has also been awarded for exterior sandstone. Lockwood, Greene & Co. and Louis H. Asbury, both of Charlotte, are associated architects for the building.

Expending \$2,500,000 at Parr Shoals.

\$3,000,000 IN POWER DEVELOPMENT WORK ALREADY COMPLETED—NEW IMPROVEMENTS TO INCREASE GREATLY THE INDUSTRIAL POSSIBILITIES OF CENTRAL SOUTH CAROLINA.

By JACK WOOTEN, Columbia, S. C.

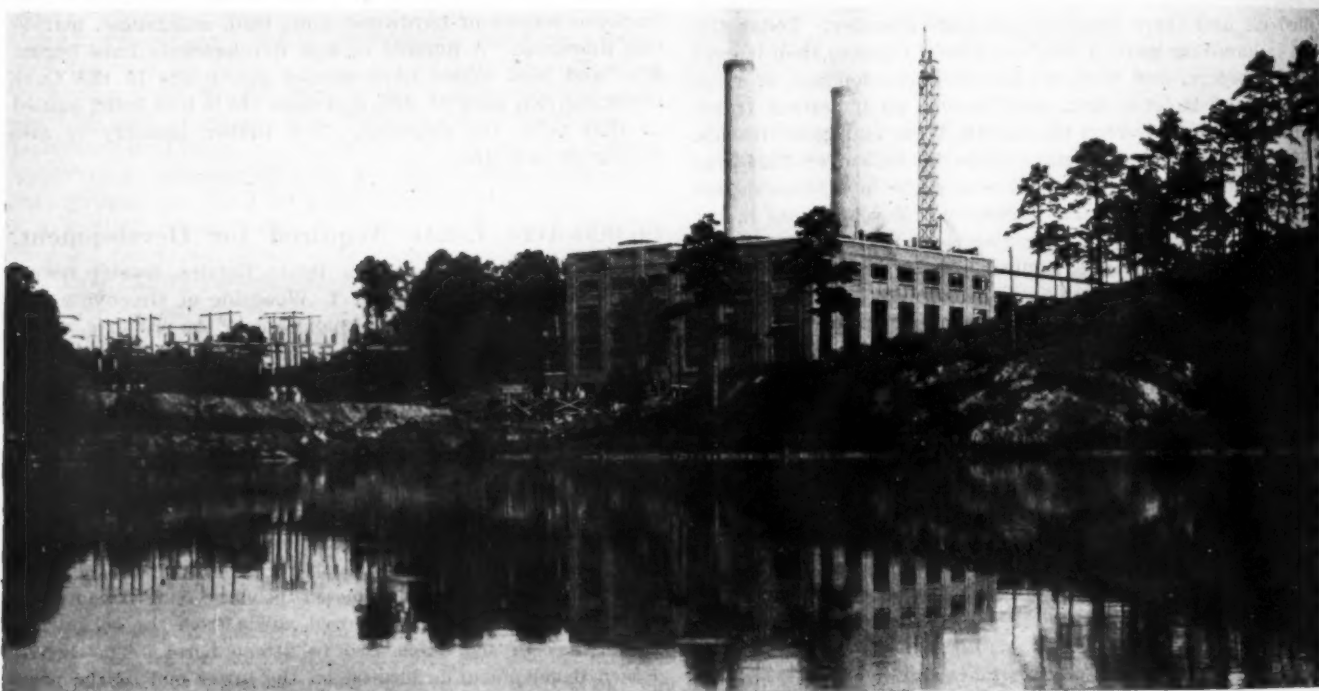
The expansion program of the Broad River Power Company this year in central South Carolina will involve an expenditure of around \$2,500,000. With one steam plant unit in operation, another under construction and assured of completion by June, and a third to be built as soon as the power demand justifies, Columbia's Parr Shoals project, about 30 miles distant, will become one of the chief power stations of the South. By next summer the city will have 60,000 electric horsepower at its command, and when the third unit is built this is expected to be increased to more than 100,000 horsepower.

Expansion this year, according to officials of the company, will include the Parr Shoals steam unit of 30,000 kilowatts, or 40,000 horsepower, with an addition to cost approximately \$1,750,000; doubling capacity of the Lyles sub-station at Columbia by the addition of a 10,000 K. V. A.

as the load on the plant was increased the capacity of the station continued to meet the demand, until for the last few months the daily generating capacity has been around 15,000 kilowatts. A turbine and generator of 40,000 horsepower capacity is now being installed.

Electricity is also generated in a steam plant at Spartanburg and a hydro plant at Gaffney with a combined capacity of 20,000 horsepower. These plants will be linked by high-tension transmission lines with the Parr Shoals plant, forming a power system nearly 200 miles in extent, reaching from Spartanburg through Columbia and the Ridge section southwest to a point near Augusta, Ga.

In addition to steam plant construction, the Broad River Company may soon build another hydro-electric plant on waters in the vicinity of Columbia, possibly on Broad River between Columbia and Parr Shoals. Lockwood, Greene &



VIEW OF HIGH TRANSMISSION WIRES AND STEAM PLANT AT PARR SHOALS, NEAR COLUMBIA.

transformer, with additional oil current breakers and other accessories, at a cost of \$100,000; building duplicate current on existing high-tension transmission lines from Parr Shoals to Spartanburg; doubling size of transformers by an additional 20,000 K. V. A. bank and adding eight bays to the 33,000-volt sub-station at East Spartanburg at a cost of approximately \$200,000. Other improvements to be made in the vicinity of Columbia call for a change to 60-cycle service and improvements through the Ridge section as far south as Trenton, S. C., at a cost of approximately \$500,000. Completion of the second unit of 30,000 kilowatts will insure to the entire territory a dependable electric lighting and power service.

The Broad River Company is building with a faith in the future industrial development of South Carolina. Already a number of industries of Columbia and vicinity have increased their plant capacity. Upon completion of the first unit last August a 12,500-kilowatt turbine supplied the needs for electrical energy in the territory almost immediately, and

Co. of Boston have recently made surveys of waters and lands in this section with a view to determining the advisability of building the plant.

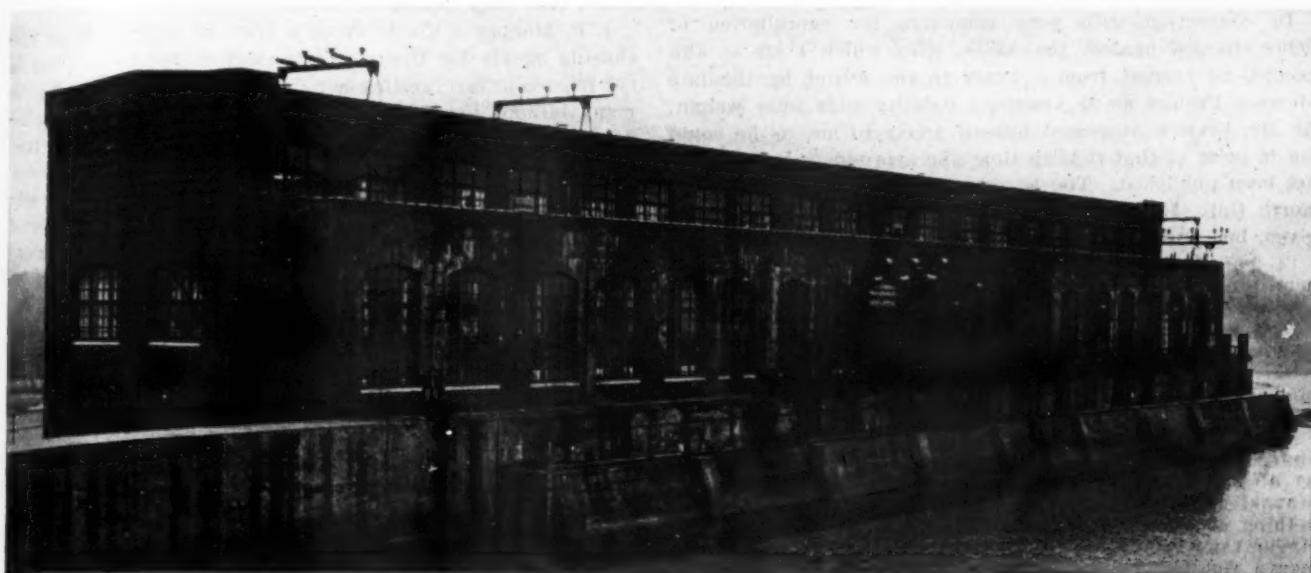
The Broad River Company has expended approximately \$3,000,000 for building the electric light and power system in South Carolina, and with additional expenditures planned for 1926 the total amount of investment in power for Columbia and surrounding territory will approximate \$5,500,000. Owned by the W. S. Barstow interests, its entrance into Columbia in 1924 settled the Columbia Canal litigation and made possible the development of tremendous power facilities. Hundreds of men are employed in its developments and much of its construction material has been supplied by Columbia concerns. Near the entrance to the Parr Shoals property stands the framework of the coal conveyor that is to unload cars at the tracks and carry coal direct to the boilers. Two smokestacks of the plant are 150 feet high and measure 11 feet in diameter at the top. Boilers are of the water-tube type. They are fed by mechanical stokers. It is stated that

the two boilers will consume an average of 200 tons of coal every 24 hours. The boilers, each delivering 1477 horsepower, feed two turbines, each of which drives a generator of over 15,000 kilowatts capacity. The firebox is 28 feet long, 25 feet 11 inches deep and 35 feet high, while the two superheaters will raise steam to a temperature of over 600 degrees Fahrenheit.

Among the firms furnishing the principal items of equip-

burners and transport lines, Fuller-Lehigh Co., New York city; two motors for driving pulverizing mills and two motors for driving screw coal pumps, Allis-Chalmers Manufacturing Co.; two exhaust fans and two pressure fans, B. F. Sturtevant Co.; four motors for fans, Allis-Chalmers Manufacturing Co.

Two concrete chimneys, 150 feet high, 11 feet inside diameter, Rust Engineering Co., New York city; five Simplex water meters, Simplex Valve & Meter Co., Philadelphia; one motor-



HYDRO-ELECTRIC PLANT OF BROAD RIVER POWER CO.

ment and materials for the Parr Shoals steam station were the following:

One 12,500-kilowatt turbo-generator and exciter, Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.; two water-tube boilers, 1477 horsepower each, D. Connelly Boiler Co., Cleveland, Ohio; two Foster superheaters and two economizers, Power Specialty Co., New York city; four induced-draft fans, B. F. Sturtevant Co., Boston, Mass.; four motors for fans, Allis-Chalmers Manufacturing Co., Milwaukee, Wis.; one surface condenser, two air-jet pumps and one circulating pump, Ingersoll-Rand Co., New York city; steam turbine, Westinghouse Electric & Manufacturing Co.; two hot-well pumps, Ingersoll-Rand Co.; two motors for hot-well pumps, Allis-Chalmers Manufacturing Co.

Three boiler-feed pumps, Pennsylvania Pump & Compressor Co., Philadelphia; one turbine for boiler-feed pump, Westinghouse Electric & Manufacturing Co.; two motors for boiler-feed pumps, Allis-Chalmers Manufacturing Co.; one feed-water heater, Cochrane Corp., Philadelphia; two service pumps, Morris Machine Works, Baldwinsville, N. Y.; two motors, Allis-Chalmers Co.; and two strainers, Andale Engineering Co., Philadelphia.

Grating for track coal hopper, Irving Iron Works, Long Island City, N. Y.; pan apron feeder, coal from track hopper to belt conveyor, Jeffrey Manufacturing Co., Columbus, Ohio; weightometer, Merrick Scale Manufacturing Co., Passaic, N. J.; Bradford coal breaker, Pennsylvania Crusher Co., Philadelphia; three conveyor belts, B. F. Goodrich Rubber Co., New York city; magnetic separator, Dings Magnetic Separator Co., Milwaukee, Wis.; raw coal handling system designed and erected by W. G. Hudson Corp., New York city; 250 tons of structural steel, Caroline Steel & Iron Co., Greensboro, N. C.; worm-gear reduction for Bradford breaker, Foote Bros. Gear & Machine Works, Milwaukee, Wis.; 200 return idlers, 290 troughing idlers for conveyor belts, Link-Belt Co., Philadelphia.

Two Fuller coal feeders, two coal dryers, two vertical grinding mills, two Fuller-Kinyon coal transport pumps, 24

driven air compressor, Pennsylvania Pump & Compressor Co.; one motor for air compressor and two motor sets, Allis-Chalmers Manufacturing Co.; traveling crane, 75-ton capacity, 10-ton auxiliary hoist, span 35 feet, Niles-Bement-Pond Co., New York city; two soot blower systems, Diamond Power Specialty Co.; two Pneumercator distant boiler water gauge glasses, Pneumercator Co., Brooklyn, N. Y.; boiler-room meter board complete, Bailey Meter Co., Cleveland, Ohio; one vent condensor, one exhaust steam flow valve, one back-pressure valve and one closed heater, Cochrane Corp.; alternating-current motors, Allis-Chalmers Manufacturing Co.; direct-current motors, Star Electric Motor Co., Newark, N. J.; direct-current speed-regulating equipment, Cutler Hammer Manufacturing Co., Milwaukee, Wis.; switchboard instruments, Weston Electrical Instrument Co., Newark, N. J., and Esterline-Angus, Indianapolis, Ind.; oil switches, General Electric Co., Schenectady, N. Y.; Westinghouse Electric & Manufacturing Co. and Condit Electrical Manufacturing Co., Boston, Mass.; air circuit breakers, Cutter Electrical Manufacturing Co., Philadelphia, and panel boards, Metropolitan Electric Manufacturing Co., Long Island City, N. Y.

Contract for \$350,000 Knoxville Church.

Knoxville, Tenn.—General contract has been awarded to J. M. Dunn & Son of this city at approximately \$260,000 for the erection of the new church building for Central Methodist Episcopal Church South, estimated to cost \$350,000, including furnishings and equipment. Contract for heating and plumbing has been awarded to McGinn & Reiche of this city. The building will be three stories, with main auditorium 72 by 82 feet, and a Sunday-school section, 63 by 173 feet. It will be of stone, brick, terra cotta and cast stone construction, with concrete foundations and floors and tile or slate roof. The R. H. Hunt Co. of Chattanooga is the architect, and A. B. Bauman & A. B. Bauman, Jr., of Knoxville, supervising architects.

NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

A Voice From the Dead As to Debts of Allies.

S. P. PANTON, Big Creek, Cal.

In connection with your campaign for cancellation of debts charged against the Allies, with which I am in full accord, an extract from a letter to the writer by the late Moreton Frewen as to America's liability adds some weight. As Mr. Frewen expressed himself freely to me, as he could not in print at that ticklish time, the expressions herein have not been published. The letter is dated at Ormonde House, North Gate, Regent's Park, London, February 11. Year not given, but probably 1919:

"I fear President Wilson, who returns in a few days, has done great harm with the very best intentions. When our war position was at dead low water, he came out with his 'fourteen points.' As Clemenceau said, 'Ten commandments had sufficed hitherto!' Thus it happened when complete surrender in the field was 24 hours away, the Huns cleverly pinned the Allies down to the fourteen points of six months earlier, and that ground holds still.

"That alone has saved them from unconditional surrender and gives them time to rally. Now, the President has split us all up over this League of Nations. We thought he brought a new completed idea, instead of which he shows us nothing as complete as the Hague Conference. At the last Hague Conference, you recall, Choate, for the United States, signed the famous declaration: '*We forbid belligerents to cross the territory of a neutral state.*' **WE FORBID!**

"This was agreed by President Roosevelt, his Secretary of State and by the Senate, and yet when the Huns marched through Belgian territory (Uncle Sam's 'Forbid' having satisfied Belgium there was no need to arm), what happens? Mr. Wilson declared (May 27, 1916), '*With the causes of this great war we are not concerned!*' The whole compact of the Hague Conference of 1907 is treated by the United States President as 'a scrap of paper.' Certainly the Hague Conference and its findings were as binding as any 'League of Nations' we can contrive, and all they did was to *betray* the small nations such as Belgium and Serbia.

"Only the other day your President delighted us all by declaring he would 'stand by Russia as we stand by France.' Last week France and Great Britain were ardent to 'stand by' Russia, and this by the dispatch of troops there. President Wilson, however, utterly refused."

"We are all praying that events at home may keep him at home."

In the Dearborn Independent of January 9 Burt M. McConnell has an article showing how very generously the United States treats her European debtors, in which he says:

"We have granted Great Britain a 24 per cent cancellation of the principal and interest charges combined; Belgium a 55 per cent cancellation, and now the Italian agreement provides for a cancellation of 75 per cent of the debt, including principal and interest."

As the editorial heading of the article is "The Facts Indignantly Refute the Slander on America's Debt Position," it seems the Independent accepts the article all through as incontrovertible, though the above statement of cancellations will amaze readers, who can't see them in any details of the agreements.

One significant statement in the article is: "While Italy is paying only a total of \$25,000,000, the American people will be paying \$400,000,000 interest on the money they raised to send to Italy."

It is a remarkable development of high finance that when the American people were extending billions of credit to the Allies they were compelled by their own Government to create an equal debt against themselves. On the same principle, a man lending \$5000 on mortgage should be compelled to incur a debt of an equal amount and pay interest thereon.

Judge George W. Armstrong of Fort Worth, Texas, has

shown how the enhancement of dollar exchange by the deflation of 1920-21 so enormously increased the debts of the Allies that they cannot be paid.

J. P. Morgan & Co. accepted a trust of magnitude as purchasing agents for Great Britain, and should have acted as her trustee in fact, getting her the best possible value for the many billions expended, and thus creating a much smaller debt to the United States. Judging by the outcome, they acted as agents for American vendors of Britain's war necessities, making them enormous profits, looting Britain of every dollar possible. And then Morgan & Co. no doubt exerted influence for the contraction that again almost doubled Britain's debt to America. Britain tried to meet this by drastic contraction of her own currency and adoption of the gold standard so as to raise her exchange to parity in New York. This contraction inevitably caused wholesale ruin of business and industry in Britain, costing her people several times the amount of her debt to America and causing an incomprehensible aggregate of social misery.

All this should be taken into account in considering Britain's debt.

P. S.—The following is not pertinent to the debt situation—at least hardly so direct as to be included in the above letter:

Mr. Frewen wrote me very strong expressions re the Nantucket incident, when United States war vessels stood by as spectators as German submarines were sinking British and Scandinavian vessels. Being much ashamed, I discussed the incident with friends, who insisted that the inaction of the United States vessels was strictly correct, as the United States was not at war with Germany.

I called up the Virginius case, when the 236 men of that vessel were condemned to death and 36 had been shot, when a British captain learned what was going on and stopped the slaughter by claiming that there were British subjects among the condemned. Also, the action by British vessels in Manila harbor in 1898, protecting Dewey's fleet, and other examples of British initiative in protecting Americans from outrage, though Britain was not at war with the offenders.

It is well to remember these events.

The Failure (?) of Prohibition.

F. E. BROWN, Bessemer, Ala.

If the opponents of Prohibition find it to be such a rank failure, with more whisky consumed than under the saloon regime, will you not kindly grant them space in your columns to tell us what has stopped the public drunkenness that prevailed in the pre-Volstead days and what they find to kick about if the supply is as plentiful as ever?

During the saloon days drunken men were common sights on the streets at all times, and on Saturdays and holidays there were hundreds of them. Comparatively few arrests were made; the saloon element controlled local politics and no law enforcement was permitted to interfere with saloon trade. A "drunk" was considered sober until he fell and could not get up. In the neighboring larger city, Birmingham, conditions were even worse than here.

If a few besotted guzzlers insist on meeting the undertaker halfway by drinking bootleg poison in violation of law, will any reasonable person contend that the sum total of virtue, happiness and patriotism is lessened by their departure?

THE IRON AND STEEL SITUATION

Steel Trade Active and Steady.

Pittsburgh, March 1—[Special.]—Efforts to find new developments in the steel trade from week to week tend to cover up the two outstanding and important facts—that the steel trade is very active and that on the whole it is very steady.

In some quarters an effort is made to show that conditions in the trade are improving. In other quarters there is search for signs of a decrease in activity. Nothing of real consequence is found in either direction. The search for unfavorable trends is undoubtedly due to recollection that in each of the past three years when steel production reached an unusually high rate it promptly fell off. That was due in large part to the accumulation of stocks in buyers' hands, necessitating production for a time at less than consumption to equalize. At the present time there is no indication that there are excess stocks, or indeed even what might be considered normal or average stocks. Mill deliveries and railroad movement have been so good of late that jobbers and manufacturing consumers have a different policy, saving the expense of carrying stocks.

Production of steel has made a new record, in that the average rate of steel ingot production in the past four months, since November 1, is the highest for any four consecutive months since the war. The four-month record had been that in the first four months of 1925, which just passed the rate in the four months March to June 1923. In each of those cases there was a decided falling off afterward; hence a moderate decrease could now occur and still enable production to make a new high record for six or eight consecutive months. There is no definite prospect, however, of any decrease this side of summer.

A further and sharper increase has occurred in demand for oil-country tubular goods, with a slight increase in buying of merchant pipe. The pipe mills were estimated in November and December to be running at 60 to 65 per cent, but they were replenishing stocks, and thus not shipping the entire product. Now they are estimated to be running at close to 80 per cent, and shipping at fully as high a rate.

The wire trade has been picking up just a trifle from week to week, but is not yet particularly active.

Freight-car buying has its ups and downs from week to week, but continues to show a very fair pace. The New York Central has ordered 600 automobile cars and the Northwestern Refrigerator Line 500 refrigerator cars. Freight-car buying has run about 12,000 cars a month in the past four months after five months of almost no buying. Orders since January 1 total about 19,500 cars and since November 1 about 46,000 cars.

Lettings of fabricated structural steel contracts reported last week totaled 35,000 tons, the two preceding weeks having shown 20,000 and 25,000 tons, respectively. The weekly average since January 1 is slightly below the average of the past two years. January lettings as reported by the Department of Commerce ran a trifle above those of January, 1925, which were light although the month was ushering in a record year.

In finished steel prices generally there have been very few changes for months past. In plates the market rose some \$2 a ton in November, only to weaken recently, and now some mills are making a stand on the higher prices again, 1.90 to 2.00 cents for the general Pittsburgh area. In sheets there were several advances, and the highest prices asked were showing much sign of yielding recently, while in the past week there has been some firming up again, sufficient to encourage the American Sheet & Tin Plate Co. to reaffirm the full prices in opening its order books for the second quarter.

Eastern demand for Connellsville coke has not reappeared in the volume expected when prices should return to a fair level, as they have now done, straight furnace being \$3.75 to \$4, yard crushed \$4.50 to \$5 and foundry \$5 to \$5.50. An accumulation of coke can hardly be avoided.

Pig-iron remains dull and steady.

Orders Will Care for the Make.

Birmingham, Ala., March 1—[Special.]—Probable make of foundry pig-iron for the second quarter of the year, assuming that it will be as strong as through the first three months of 1926, will be needed to fill orders already booked or in sight. With quotations firmly at \$22 per ton, No. 2 foundry, and \$23 being asked on smaller tonnages, the selling has been fairly good and the aggregate business as the second month of the year is concluded amounts to considerable. Encouraging reports are received from the cast-iron pressure-pipe makers who have had a good winter and are now adding to their spring orders, confident that there will be no congestion of transportation when pipe-laying time approaches in those sections where rigorous weather has been experienced. The soil-pipe and fittings trade also shows signs of improving again. Foundries and machine shops express hopefulness for the immediate future.

Fourteen blast furnaces are still on foundry iron in this district, one of the ironmakers of the Tennessee Coal, Iron & Railroad Co. producing that class of metal. Eleven furnaces are again on basic iron and one on ferro-manganese. The basic and other iron is needed for the local steel mills, but little effort being made to sell basic iron. One furnace blown out a few weeks ago for repairs has been worked on steadily and is again in shape. The plans of the Sloss-Sheffield Steel & Iron Co. include the rebuilding of the two city ironmakers, No. 2 first. These furnaces have a daily capacity of about 265 tons and the new furnaces will be raised and turned about on their present site and capacity increased to 400 tons and more daily. No. 1 furnace, close at hand, will be rebuilt later. No work is to be done until the iron market shows signs of lagging or the furnaces need repairing. Everything looks good for steady operation for some time yet. Building of steel mills, either by the Woodward Iron Company or the Republic Iron & Steel Co., or by both, will retire those companies from the foundry iron market. The Sloss-Sheffield Steel & Iron Co. has been sought to sell its blast furnaces in Etowah county, at Gadsden, by interests which melt considerable iron yearly. However, no deal is probable in the near future at least. The same interests are looking forward to the possibility of having to make foundry iron, and that emergency has been further considered. The Tennessee Coal, Iron & Railroad Co.'s two large furnaces under construction in Fairfield will add to the basic iron output, the four open-hearth furnaces, also under construction, to participate in the melting of this class of iron.

The coke trade has shown a little weakening recently, an indirect effect of the settlement of the strike in the anthracite coal fields. However, the by-product plants are going to capacity and there is warrant yet for steady production of coke. Shipments of the product into Chicago and Detroit centers have not ceased altogether, and the hope is reiterated that there will be more or less business in those sections for nut coke of Birmingham. The Semet-Solvay plant at Ensley is to have betterments in the way of screening machinery and probably a coal crushing device. This plant is producing coke not only for the commercial market, but for two and more iron companies of the district. The Tennessee Company will have the addition of 77 ovens to its big by-product plant at Fairfield completed by the end of the year. The Alabama

By-Products Corporation has been considering an addition to its plant to the extent of 50 ovens. The Sloss-Sheffield Steel & Iron Co. will need more ovens within a year, its plant not furnishing all coke required. Coke prices hold at \$5.50 to \$6 for by-product foundry product.

The scrap iron and steel market shows weakening again and heavy melting steel is down to \$13 per ton, with other products off some. Much old material is still due consumers, but there is no urging quick delivery. New business is slow. It is noted, however, that the regular consumers of old material are still operating shops steadily and are producing healthily. The rolling mill consuming re-rolling rail, producing concrete bars, has much business on hand or in sight and sees warrant for active operation for some time to come. Delivery on the third importation of French billets to the district is now going on, the Connors Steel Company bringing in this product via the port of Birmingham from Mobile and then up the Warrior River. Since last November the importations of the French make of steel aggregates about 6000 tons. On the river going down, for export to Central America last week, were 2000 tons of steel rail from the Ensley mills of the Tennessee Coal, Iron & Railroad Co., and further export business is to be moved from that source. The Government is developing the Warrior River barge service, will shortly take over the railway line between Ensley and the river as terminal operations, and is adding steel barges to the equipment on the river. This service promises to solve a problem that was beginning to give concern, with a widening market now seen for iron and steel products of the district.

Quotations on pig-iron and iron and steel scrap follow:

PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$22.00 to \$23.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$22.50 to \$23.50; iron of 2.75 to 3.25 per cent silicon, \$23.00 to \$24.00; iron of 3.25 to 3.75 per cent silicon, \$23.50 to \$24.50; iron of 3.75 to 4.25 per cent silicon, \$24.00 to \$25.00; charcoal iron, f. o. b. furnaces, \$30.00 to \$32.00.

OLD MATERIAL.

Old steel axles	\$19.00 to \$20.00
Old iron axles	18.00 to 18.50
Old steel rails	14.00 to 15.00
Heavy melting steel	13.00 to 14.00
No. 1 cast	17.00 to 18.00
Stove plate	14.00 to 14.50
No. 1 railroad wrought	12.00 to 13.00
Old car wheels	16.00 to 16.50
Old tramcar wheels	17.00 to 17.50
Machine shop turnings	8.00 to 8.50
Cast-iron borings	8.00 to 9.00
Cast-iron borings (chem.)	15.50 to 16.50

May Build Bridge in Form of Dam for Power.

Cheraw, S. C.—A construction program of the state highway department provides for building a bridge over the Pee Dee River here at a cost of \$500,000. The possibility of providing highway transportation over the Pee Dee and at the same time developing water-power project to serve the section around Cheraw is comprehended in a bill to be introduced in the legislature by the Chesterfield county delegation. By the terms of the bill the bridge would be built in the form of a large dam, which would furnish sufficient water power, it is said, for all manufacturing enterprises in the Pee Dee section. The bill also provides that Marlboro and Chesterfield counties purchase the land that would be flooded by the dam.

Narrow Gauge to Be Made Standard.

The Wellington & Powellville Railroad, a narrow-gauge line 22 miles long from Ahoskie to Windsor, N. C., was purchased at the receiver's sale by Wm. C. Everett of Norfolk, Va., for \$55,700, and who said that if the sale is confirmed by the Federal court the interests which he represents will convert the line to standard gauge and make other improvements. The road was sold at the instance of the Atlantic Coast Line, its creditor in the case.

RAILROADS

Atlantic Coast Line to Buy Atlanta, Birmingham & Atlantic Railway, Making Largest System.

Announcement was made in New York last week of a plan agreed upon for the sale of the Atlanta, Birmingham & Atlantic Railway to the Atlantic Coast Line Railroad Company which, if approved by the court, the bondholders and the Interstate Commerce Commission, will result in the addition of about 650 miles of line to the Atlantic Coast Line-Louisville & Nashville-Clinchfield unification, making it the largest combination of railroads under one control in this country, with a total of 14,500 miles of lines, greater than the Southern Pacific or the proposed Rock Island-Frisco combination.

B. L. Bugg, receiver of the Atlanta, Birmingham & Atlantic Railway, which has been in court for four years, stated that the agreement was between the bondholders' committees of that road representing the first 5 per cents and the 5 per cent income bonds, respectively. The road is to be sold at auction, but it is not expected that any bid will be made higher than that of the Coast Line, which, it is stated, has agreed to pay 60 per cent of the face value of the bonds in new preferred stock of the road to be acquired and to guarantee 5 per cent dividends upon it, dividends to begin in one year's time. The Coast Line is also to assume receivership obligations, which are prior to the bonds. All common stock of the new company to be formed is to be owned by the Coast Line. There will not be any bonds issued. It appears that the old stockholders will not share in the reorganization.

The Atlanta, Birmingham & Atlantic Railway is altogether about 650 miles long, the main line from Atlanta to Waycross, Ga., being 280 miles via Manchester, and the line west from Manchester, Ga., to Birmingham, Ala., is 198 miles long. There is a branch 81 miles long from Fitzgerald to Thomasville, Ga., and another of 78 miles from Sessoms to Brunswick, Ga. Connection is made at both Atlanta and Birmingham with lines of the Louisville & Nashville system, which is controlled by the Atlantic Coast Line, with which latter connection is at Waycross and Thomasville. The road will be valuable to the Coast Line as another east and west route to and from Florida.

The following are named as representing the present bondholders: James H. Perkins, president, Farmers Loan & Trust Co., New York; George E. Warren, vice-president, Chase Securities Corporation, New York; Francis R. Hart, Old Colony Trust Co., Boston; George E. Roosevelt of Roosevelt & Sons, New York; Joseph P. Bradshaw, Edwin P. Maynard, C. F. Ayer, Percy R. Pyne 2d, George B. Baker and F. J. Lisman.

Southern Pacific to Spend \$2,000,000 for Texas Facilities.

Houston, Texas, February 27—[Special.]—To expedite the handling of freight traffic at Dallas and Houston, the Southern Pacific Railway will construct new yards 6 miles from Dallas and a new freight terminal system on the outskirts of Houston at a total cost of more than \$2,000,000. It is announced by W. R. Scott, president of the Texas and Louisiana lines of the system. The yards at Dallas will be for spotting cars and making up trains. The Houston terminals will occupy 30 acres on the north side of the ship channel.

Contract for the construction has been let to the Dwight B. Robinson Company of New York, and the work of assembling material will begin at once. The new facilities at Houston will include a two-story reinforced concrete and brick head-house and office, 202 feet long and 40 feet wide, facing on

San Jacinto street, just north of the present main tracks; an inbound freight house, 1080 feet long and 45 feet wide—of which about 400 feet will be two stories high—to be constructed of steel and concrete; an outbound freight warehouse, 1140 feet long and 28 feet wide, one-story, of similar construction; a transfer platform, also of concrete and steel, 110 feet long and 14 feet wide, with shed covering. Freight-houses and platforms will be equipped with 12 five-ton and 10 2½-ton scales.

The location of the warehouses and the platforms will permit 200 cars to be placed for unloading and loading simultaneously. This will eliminate the present necessity for frequent switching, as cars will be handled during the night and in sufficient volume to care for a day's business.

Southern Railway to Improve Six Important Lines.

Washington, D. C., February 27—[Special.]—Extensive improvements will be made by the Southern Railway Company on six of its lines, aggregating approximately 1000 miles of road, at a total expenditure of about \$4,000,000, so as to increase traffic capacity and promote operating efficiency in handling the growing business of the South. The work is to begin immediately.

Roadway and structures will be strengthened to permit the use of heavier and more powerful locomotives, and passing track facilities will be increased to accommodate the longer trains that will be handled on the following lines: Chattanooga to Macon via Atlanta; Bristol to Chattanooga; Chattanooga to Memphis; Richmond to Danville; Winston-Salem to Charlotte; Selma to Suggsville, Ala.

On the line between Chattanooga and Macon, an important section of the Southern's route between the West and Florida, electric automatic signals and telephone train-dispatching circuits will also be installed.

The improvements between Winston-Salem and Charlotte will give an alternate line of heavy capacity between Greensboro and Charlotte; those between Selma and Suggsville will increase train capacity between Selma and the port of Mobile, and those on the other lines will contribute generally to the better handling of both passengers and freight.

The proceeds of an issue of \$1,420,000 of 7 per cent bonds of the Mobile Bay Bridge Company which have been sold in New York will provide for the construction of bridges, trestles, etc., to make a new route for the Southern Railway across the head of Mobile Bay in Alabama.

Freight Traffic Movement.

Loading of revenue freight in the week ended February 13 totaled 917,144 cars, according to reports filed by the railroads with the Car Service Division of the American Railway Association. This was an increase of 13,209 cars over the corresponding week in 1925 but a decrease of 18,445 cars under the corresponding week in 1924. The total for the week was, however, an increase of 2240 cars over the preceding week this year, increases being reported in the total loading of all commodities except grain and grain products, coal and merchandise and less than carload lot freight. Loadings of revenue freight during the first seven weeks of this year totaled 6,264,058 cars, as compared with 6,290,014 cars in the corresponding period of last year and 6,135,876 cars in the same time in 1924.

According to a report from Selmer, Tenn., the Mobile & Ohio Railroad Co. will soon let a contract for the installation of color light, automatic electric block signals on its line between Jackson, Tenn., and Corinth, Miss. The installation will cost about \$225,000.

President Warfield of the Seaboard Air Line Urges Full Use of Cars to Solve Traffic Problem.

Commenting upon traffic conditions in Florida, President S. Davies Warfield of the Seaboard Air Line Railway says:

"Not only has a recent survey produced information to guide the Seaboard Air Line Railway in providing for Florida's greatly increased traffic needs, but it has confirmed the desirability of avoiding the economic waste now going on in permitting refrigerator cars to go back empty and not be loaded back to the territory from which they were started loaded.

"In this connection I have asked the Fruit Growers' Express, which owns and operates refrigerator cars carrying perishables from Florida and other Southern country, to co-operate in permitting the cars of the Fruit Growers' Express when they have been unloaded of perishables to be loaded back to Florida with such commodity as shall not injure the cars.

"This would save a large cross-haul of empty cars and would speed up and greatly increase the means of carrying into the South additional commodities and material which are much needed particularly in Florida.

"The Pacific Fruit Express, doing a similar business in Western territory, whose cars enter Florida, has also been asked to co-operate in this.

"If this policy is carried out, it will result in a very considerable saving to the railroad concerned in reducing empty car mileage and will greatly increase car-carrying capacity, with the saving in capital investment to be obtained thereby."

New Equipment and Rails.

Baltimore & Ohio Railroad has ordered for 1926 delivery new equipment, rails and track fastenings amounting in value to approximately \$26,000,000, which includes in round figures cars and locomotives \$20,000,000 and rails and fastenings \$5,774,000. The equipment purchases comprise 50 heavy freight locomotives, 4000 box cars of 50 tons capacity, 2000 hopper cars of 70 tons capacity and 1000 of 50 tons capacity, these cars to be of all-steel construction; also passenger-train cars of steel construction, including 10 dining cars and 73 miscellaneous cars, such as passenger coaches, baggage cars, postal cars and express cars.

Illinois Central Railroad has ordered 2100 drop-bottom gondola cars, distributed as follows: 600 from the Standard Steel Car Co. and 500 each from the Pullman Car & Manufacturing Co., Illinois Car & Manufacturing Co. and Mount Vernon Car & Manufacturing Co.; also 200 flat-bottom gondola cars from the Ryan Car Co.

Southern Railway Company's car order placed with the Pullman Car & Manufacturing Co. includes 30 passenger coaches, 15 combination baggage and express cars, 6 combination baggage and mail cars and 6 straight mail cars.

Car inquiries reported in the market include 10 Mountain and 5 Mikado type locomotives for the Chicago, Rock Island & Pacific Railway; 50 Mikado type, 23 Pacific type, 7 Mallet type, 10 Consolidation type and 22 eight-wheel switching type locomotives for the Southern Railway; 50 caboose cars and 6 combination passenger and baggage cars for the Seaboard Air Line; 4 passenger coaches and 6 express cars of steel construction for the Richmond, Fredericksburg & Potomac Railway.

Chicago, Rock Island & Pacific Railway has ordered 33,000 tons of rails and 8000 tons of track fastenings. The Illinois Steel Co. will roll 28,000 tons of rails and the Inland Steel Co. 5000 tons.

St. Louis Southwestern Railway proposes to spend this year over \$100,000 for grade reduction on its line at Gilkerson, Ark.

TEXTILE

Cotton-Mill Labor As Seen by a Cotton-Mill Employee.

By DAVID H. CLARKE.

Through the development of the cotton-manufacturing industry the civic life of the South has shown a vast improvement.

With the building of a new cotton mill there came to the industrial community great numbers of ignorant folks who knew little and cared less for law and order; they emerged from the mountain fastnesses and sought work. Finding it pleasant and profitable to live and labor in a modern environment where hours were regular and pay sure, they spread the news to every kinsman back home. Then began a general exodus. Whole communities left their shacks and haunts and swarmed along the mountain trails toward the land of hope. In the rush and excitement of departure feuds of long standing were forgotten and old enemies now became friends. The whisky still was left behind. No longer would it be the meeting place of mountain youths who received their education from drunken gangs of reveling outlaws.

The innate craving for self-betterment urged them forward toward the newly established cotton factory and civilization. The venture completely revolutionized their customs and habits. Instead of shivering over a little midwinter pile of embers within a bare mountain hut, they were amazed to learn of other methods of heating residences. The management of the cotton factory supplied them with their first comfortable fire from coal in an open grate or in a cozy heater. From the mill commissary they procured ready-made garments or bakers' bread, while many for the first time in their lives saw a store building.

Many of these ignorant people at the age of 70 have yet to see a railway locomotive. This, of course, applies to those who still live many miles back in the mountains of the several Southern states. In this progressive age it is surprising that so great a number of native Americans cannot yet spell their names correctly.

The cotton factories of the South have been instrumental in gathering together entire communities of unfortunates and showing them the value of an education. The work has been done so effectively that now it is becoming a fixed habit by the older ones as well to acquire an education. Compulsory educational laws have been rigidly enforced by the cotton mills among the families of the employes, so that illiteracy in the rising generation is a thing of the past. This, in turn, makes possible better workmen for the manufacturing plants and develops in the community an intelligent citizenship. Already this change is becoming more evident in the routine of mill life. The educated young people in the mills are showing the value of this training to those who will later undertake the same work. There is an unmistakable tendency toward better conditions. Sanitary measures are everywhere improving. The floors are kept cleaner and the rooms brighter; ventilation is recognized as a worth-while factor in the general health.

In all of these improvements the cotton-mill industry has been a leader both in thought and action. Yet today it stands on the threshold of still greater achievements, for it has won a place in the hearts of all right-thinking people. And this will stimulate other and better undertakings.

Tallapoosa Mills, Tallapoosa, Ga., are building an office structure, 36 by 42 feet, near the mill.

15,000-Spindle Addition for Arnall Mills.

Sargent, Ga.—Plans for the erection of a 15,000-spindle addition to the Arnall Mills here are reported as being considered by the company. These mills are at present equipped with 19,000 ring spindles for the production of yarns, 8s to 24s, single and twisted; skeins, cones, and tubes and warps. H. C. Arnall is president.

Vogue Mills to Be Capitalized at \$100,000.

Gaffney, S. C.—Plans are being advanced by Walter C. Hamrick and Lyman A. Hamrick of Gaffney and W. R. Fullerton of Inglewood, N. J., for the incorporation of the Vogue Mills here, to be capitalized at \$100,000, of which \$60,000 will be common and \$40,000 preferred stock. Detailed plans of the company have not been announced.

Bagging Company Doubles Capital Stock.

Norfolk, Va.—An amendment to the charter of the Dixie Jute Bagging Corporation of this city, increasing the authorized capital stock from \$25,000 to \$50,000, has been approved by the State Corporation Commission. This company operates 9 cards and 4 jute looms for the production of jute bagging for covering cotton, patches and other jute products. John J. Carroll is president of the company and John Jenkins, Jr., secretary and treasurer.

Erecting Dwellings for Operatives.

Anderson, S. C.—A total of 48 operatives' dwellings will be erected here by the Riverside Manufacturing Co., the Toxaway Mills and the Ladlassie Mills, all owned by the Gossett interests. Forty of the new homes will be located on the Toxaway property and the remainder on the Riverside property, the former to be adjacent to the new Ladlassie plant, now being erected. Construction will be in charge of A. E. Holleman, engineer of the Riverside and Toxaway mills, and work is expected to begin at once. Approximately 150 operatives will be accommodated in the new dwellings.

Hosiery Mills Increase Capital to \$200,000.

Nashville, Tenn.—An increase in the capital stock of the Washington Hosiery Mills here from \$100,000 to \$200,000 has been decided on by the company. In connection with the increased stock, plans are being made for an addition to the mill which will increase its output to 1400 dozen pairs of hose per day. It is stated that the mill uses mercerized rayon exclusively in its operations, its only product being misses' hose. Officers of the company include F. W. Washington, president; C. Graham Hall, vice-president; O'Bryan Washington, treasurer and general manager, and B. M. Corlette, secretary.

Organized With \$200,000 Capital Stock.

Little Rock, Ark.—With an authorized capital stock of \$200,000, the Little Rock Cotton Mill Co. has been organized here with the following officers: J. R. Alexander, president; H. L. Remmel, first vice-president; Judge D. Hopson, second vice-president, and Joseph Ferguson, secretary-treasurer. The company has purchased a concrete plant on the Rock Island Railroad, south of Little Rock, formerly operated by the Dill Tractor Co. The property includes a plant building, 200 by 200 feet; office building, 40 by 40 feet, and 10 acres of land. Equipment will be installed for the production of belting duck, machinery to be placed under the supervision of George Beveridge, president of the Banning Cotton Mills at Banning, Ga.

GOOD ROADS AND STREETS

Silicate of Soda for Curing and Hardening Concrete Roads.

By R. F. REMLER, Technical Sales Engineer, Grasselli Chemical Co., Cleveland, Ohio.

Sodium silicate, or silicate of soda, as it is technically known, is manufactured by fusing a good quality of white sand with soda ash. The result is a glass-like product, but, unlike ordinary glass, it is soluble in water, and from this property it derives its common name "water-glass."

Different proportions of sand and soda ash are fused in



APPLYING SILICATE OF SODA TO GREEN CONCRETE.

the manufacture of silicate of soda, thereby changing its chemical and physical properties and producing for the trade a number of grades of the chemical, employed for specific purposes in industry. The grade used in sizing paper is different from that employed in furnace cements. Likewise, the grade used in the manufacture of certain soaps differs from that employed in the manufacture of abrasive wheels.

It is stated that the first vibrolithic pavements cured with silicate of soda were laid in Dallas, in 1918, on a 30,000 square



CONCRETE STREET IN ROSELLE PARK, N. J., CURED WITH SILICATE OF SODA.

yard job. Other large road constructions on which it was used are the Riley and Rockville roads in Vigo county, Indiana, and East Maple avenue in Terre Haute.

Grasselli R-B silicate of soda is a syrupy liquid. To facilitate spreading and to obtain a more uniform seal, three parts are diluted with one of water. This consistency is said to work well under all weather conditions permissible for road building. The best time to apply it is when the concrete sur-

face will support the weight of a man without marking. Under normal summer conditions this is about six hours after concrete has been laid. Its application then is important; first, because it enables the silicate to seal in a larger amount of water than the concrete would otherwise contain if allowed to remain untreated for 12 to 24 hours; and second, it permits the silicate of soda to react with the free lime on the surface of the concrete, forming a hard and insoluble calcium silicate before the lime combines with the carbon dioxide of the air.

Concrete laid in dry, hot weather should be covered with burlap and sprinkled to prevent too rapid evaporation of water during the six-hour period, when the silicate of soda should be applied. The burlap should be removed sufficiently before the application of silicate of soda to allow the evaporation of surface water, which would cause undesirable dilution of the silicate when it is applied.

No second treatment is needed if rain occurs after it has been down for more than six hours. If rain occurs before this time, it is best to retreat the newly covered section with a one-to-one mixture of water and silicate of soda.

Different methods of applying have been adopted by different contractors to suit particular requirements. In all cases a mixture of three parts of silicate of soda and one part of water is poured or sprinkled on the road. The silicate is then spread evenly over the surface with a brush, squeegee or broom. One pound of the original silicate of soda is required to cure one square yard of surface.

The maximum cost, including labor, for curing one square yard of concrete is 2½ cents.

Silicate of soda has a uniform consistency and eliminates the uncertainty of a partly covered and poorly cured concrete. It has no corrosive effect on iron, seals the concrete surface, hardens and dustproofs the surface, has no corrosive or deleterious action on concrete, prevents scaling of the road surface and fills porous concrete.

The main object of the treatment is to obtain as deep a penetration as and as large an amount of silicate of soda in the concrete surface as possible. Before applying the treatment it is necessary that the surface be cleaned of all dirt and grease in order that the silicate of soda may penetrate all parts.

Georgia Contracts Total \$900,000.

Atlanta, Ga.—Contracts have been awarded by the Georgia Highway Department for the construction of roads and bridges at a cost of approximately \$900,000. Road work will embrace seven projects, covering approximately 38 miles, and these, in turn, will include three projects with a total of 22.9 miles of concrete to cost \$570,019; two projects covering 7.6 miles of topsoil, \$52,242; five miles of sand-clay road, \$34,838, and 2.2 miles of surface treatment to cost \$19,670. For approach fills to an overhead crossing near Ways, in Bryan county, contract was awarded at \$24,026, and for three bridges on the Lyons-Baxley highway, in Toombs and Appling counties, contract was awarded at \$195,263.

To Vote on \$1,000,000 Bonds.

G. A. London, secretary of the Chamber of Commerce, De Funiak Springs, Fla., advises that the Walton County Commissioners have called an election for March 30 on a \$1,000,000 bond issue for building and completing approximately 275 miles of road. State roads numbers 40 and 60 from the Alabama line through De Funiak Springs to the Choctawhatchee Bay are included in the mileage.

Recent Sale of Mack Buses South.

The International Motor Co., New York city, announces recent sales and the installation of passenger-bus service in the Southern states as follows:

The Southern Railway Co. has bought through the Knoxville branch two 29-passenger city type Mack buses. In conjunction with one other bus these will be used to haul employes from Knoxville to the John Sevier shops, about eight miles outside the city. No fare will be charged.

The Wichita Falls Bus Co., Wichita Falls, Texas, has purchased a 25-passenger parlor-car bus for operation to Electra, Texas. Bowen Brothers, Fort Worth, have bought a similar type bus for operation to Cisco, a distance of 125 miles, the fare being \$4.50.

The Hayes Bus Line, Inc., Columbia, S. C., has placed in use a 25-passenger parlor-car bus between Charlotte and Augusta, a distance of 202 miles, requiring seven and a half hours' running time.

The Savannah Electric & Power Co., Savannah, Ga., has purchased a 29-passenger city type bus for trolley substitution.

The Birmingham-Montgomery Transportation Co., Birmingham, Ala., recently purchased a 25-passenger parlor-car bus.

The Red Line Transportation Co. some time ago bought a sedan type bus to operate between Greenwood and Clarksdale, Tenn., a distance of 63 miles, the fare being \$2.45.

Bids Asked on Santee Bridge.

Charleston, S. C.—Bids for the construction of the proposed bridge across the Santee delta to connect Charleston and Georgetown counties will be received until March 16 by the State Highway Commission at Columbia. The work will consist of 11,625 feet of bridge and embankment, including a 180-foot steel swing span on a reinforced concrete pier; treated timber fenders, 7718 feet of creosoted pile trestle and 150,000 cubic yards of filling. This bridge will be an important link on state highway No. 40, an alternate route for the coastal highway.

Missouri to Sell \$7,500,000 Additional Bonds.

Jefferson City, Mo.—Acting upon a request of the State Highway Commission, the State Board of Fund Commissioners has granted authority to sell \$7,500,000 additional road bonds to be known as series H. The new offer, it is said, will not be put on the market before May 1, and when it has been sold the total of sales from the original \$60,000,000 bond issue will have reached \$47,500,000. Of the sales already made, \$5,000,000 have been redeemed and \$2,000,000 will be redeemed on September 13.

Sarasota Awards Contracts for \$1,360,000.

Sarasota, Fla.—Three contracts for street, road and sidewalk work have been awarded by City Council of Sarasota at an approximate total of \$1,360,000. Construction will embrace paving on Lockwood Ridge road and two eastern sections of Ringling boulevard, on Cocoonut, Central and Orange avenues and 18th street; section of Ringling boulevard extending to Lockwood Ridge road, and a section on Lime avenue.

\$257,000 in Birmingham Paving Contracts.

Birmingham, Ala.—Paving contracts to involve an outlay of more than \$257,000 have been awarded by the Birmingham City Commission. Surfaces to be laid include sheet asphalt, bitulithic, asphaltic concrete, concrete and brick. Fifteen projects are embraced in the contracts and work is expected to be started soon.

To Vote on \$6,600,000 of Bonds.

Houston, Texas.—County Judge Chester H. Bryan has announced that an election will be held in Harris county on March 9 on two bond issues aggregating \$6,600,000. One is for \$6,000,000 to construct roads in the county and the other for \$600,000 to build a county jail. State and Federal aid in the amount of \$1,015,000 will be available to augment proposed road funds, making a total of more than \$7,000,000 for highway construction. It is estimated that 234 miles will be improved.

A total of 126 miles of concrete is included in the road program, while other roads will be bituminous topped with gravel and limestone base. H. A. Wise is the county engineer.

Over \$750,000 for Charlotte Street Contracts.

Charlotte, N. C.—Contracts for paving 12 miles of streets, laying 15 miles of sidewalks and installing 3.25 miles of storm drains, all at a cost of more than \$750,000, have been awarded by the City Commissioners. The largest single contract was let to the Thompson-Caldwell Co. of this city at \$600,000 for paving; contract for sidewalks was awarded to C. A. Hellig of Winston-Salem, and for storm drains to E. P. Higgins of Charlotte. Curbing contract will be let later.

Putnam County Votes \$1,750,000.

Palatka, Fla.—A bond issue of \$1,750,000 for a system of highways to supplement state roads has been voted by Putnam county. Plans are being developed for beginning construction on the county roads as soon as possible. Proposed state highways to touch Palatka will include No. 3, Jacksonville to Orlando, partly completed; No. 14, Palatka to Gainesville; No. 28, Palatka to Lake City via Starke, and No. 47-A, Palatka to No. 31 and into Ocala.

Asks Bids on \$1,650,000 Paving Bonds.

Columbus, Ga.—Bids will be received until March 27 by Muscogee County Commissioners for the purchase of \$1,650,000 of paving bonds, according to a resolution recently adopted by the board. A resolution was also adopted formally issuing the bonds and authorizing a tax levy to finance them. The amount of the levy will be fixed each year during the entire bond period.

Notes on Good Roads Construction.

City Council of Johnson City, Tenn., will receive bids until March 11 for paving in 22 districts.

Street paving outlined in New Orleans, La., for the last half of 1926 will involve work on 33 streets to cost approximately \$2,000,000.

Houston County Commissioners of Roads and Revenues, Perry, Ga., have called an election for March 10 on a bond issue of \$200,000 for the construction of roads.

Orange County Commissioners, Orlando, Fla., B. M. Robinson, clerk, have called an election for March 21 on a bond issue of \$7,000,000 for the construction of roads.

The city of Winter Park, Fla., C. Fred Ward, mayor, has sold 6 per cent paving assessment bonds in the amount of \$234,000 to the Bank of Winter Park at par.

Bonds in the amount of \$232,000 have been sold by the city of Sanford, Fla., to W. S. Silverman & Co. and the Taylor-Wilson Co., both of Cincinnati, at a premium of \$50 and accrued interest.

LUMBER AND BUILDING MATERIALS

The Weekly Lumber Movement.

Washington, February 25.—The National Lumber Manufacturers Association received telegraphic reports today of the status of the lumber industry for the week ended February 20 from 377 of the larger softwood and 125 of the chief hardwood mills of the country. The 365 comparably reporting softwood mills showed negligible decreases in production and new business and a heavy increase in shipments in comparison with reports from 368 mills the week earlier. When compared with reports for the same period a year ago—when twenty-three more mills reported—gratifying increases in all three items were noted. The noteworthy change in hardwood operations, when compared with reports for the previous week, was a 10 per cent decrease in new business.

The unfilled orders of 225 Southern Pine and West Coast mills at the end of last week amounted to 684,472,376 feet, as against 723,989,439 feet for 224 mills the previous week. The 124 identical Southern Pine mills in the group showed unfilled orders of 294,562,980 feet last week, as against 288,616,020 feet for the week before. For the 101 West Coast mills the unfilled orders were 389,909,396 feet, as against 435,373,419 feet for 100 mills a week earlier.

Altogether the 365 comparably reporting mills had shipments 112 per cent and orders 108 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 101 and 109, and for the West Coast mills 110 and 95.

Of the reporting mills the 331, with an established normal production for the week of 209,873,880 feet, gave actual production 102 per cent, shipments 108 per cent and orders 105 per cent thereof.

The following table compares the national lumber movement as reflected by the reporting mills of eight regional associations for the three weeks indicated:

	Past Week.	Corresponding Week, 1925.	Preceding Week 1926 (Revised).
Mills	365	383	368
Production	228,381,341	221,438,222	230,655,273
Shipments	256,538,748	223,045,708	232,614,868
Orders	246,243,155	226,860,867	250,946,057

The following revised figures compare the lumber movement of the eight regional associations for the first seven weeks of 1926 with the same period of 1925:

	Production.	Shipments.	Orders.
1926	1,496,944,285	1,635,850,380	1,704,083,247
1925	1,471,091,330	1,560,688,859	1,512,207,604

The Southern Cypress Manufacturers Association of New

Orleans for the week ended February 17 reported from 12 mills a production of 3,768,408 feet, shipments 4,440,000, and orders 3,060,000. In comparison with reports for the previous week, when two more mills reported, this Association showed a slight decrease in production and considerable decreases in shipments and new business.

The Southern Pine Association reports from New Orleans that for 124 mills reporting shipments were 0.73 per cent above production and orders 9.07 per cent above production and 8.28 per cent above shipments. Of the 113 mills reporting running time, 85 operated full time, 15 of the latter overtime, and the rest operated from one to five and one-half days.

The North Carolina Pine Association of Norfolk, Va., with reports from four more mills, showed increases in all three items.

The hardwood mills of the Northern Hemlock and Hardwood Manufacturers Association reported from 14 mills production as 4,814,000 feet, shipments 3,070,000 and orders 3,117,000.

The Hardwood Manufacturers Institute of Memphis, Tenn., reports from 111 units production as 15,892,519 feet, shipments 17,843,719 and orders 17,746,734. The normal production of these units is 19,402,000 feet.

For the past 7 weeks all hardwood mills reporting to the National Lumber Manufacturers Association gave production 171,415,196 feet, shipments 168,664,772 and orders 185,494,926.

Reforestation Project in Georgia County.

Cordele, Ga.—A reforestation project of considerable interest has been undertaken by F. E. Fenn, one of the largest landowners and farmers in Crisp county. Mr. Fenn has a farm of several hundred acres near Cordele, on which there is a tract of low wet land not suitable for agriculture. It is there that the reforestation project is being carried out. From different sections of the county there has been secured an ample supply of seedling pines from six inches to two feet in height, which is being planted under the supervision of J. K. Luck of Cordele, county agent.

At a special meeting of the mayor and board of aldermen of Kingsport, Tenn., a \$300,000 water-works bond issue was sold to I. B. Tigrett Co., Jackson, Tenn., and Well, Roth & Irving Co., Cincinnati, Ohio, at par, accrued interest and premium of \$150.

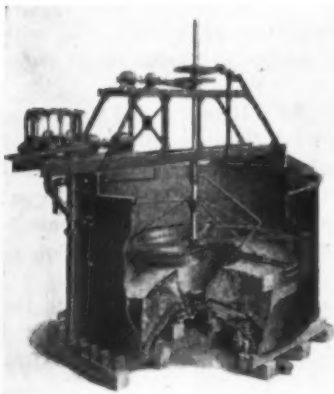
SOFTWOOD LUMBER MOVEMENT FOR 7 WEEKS, AND FOR WEEK ENDING FEBRUARY 20.

	Production 1926	1925	Shipments 1926	1925	Orders 1926	1925
Southern Pine Association:						
Total	489,636,632	498,703,385	484,149,648	469,289,946	522,157,804	479,273,164
Week (124 Mills)	71,264,813	77,304,988	71,782,320	75,127,450	77,729,280	76,727,250
West Coast Lumbermen's Association:						
Total	628,242,737	655,228,426	638,275,604	652,876,669	680,097,742	609,805,397
Week (101 Mills)	97,741,865	95,608,917	107,693,666	88,646,111	92,520,575	92,786,335
Western Pine Manufacturers Association:						
Total	131,562,000	114,958,000	176,547,000	182,200,000	163,229,000	160,516,000
Week (40 Mills)	21,546,000	19,900,000	27,991,000	26,218,000	29,369,000	23,228,000
California White and Sugar Pine:						
Total	30,604,000	38,801,000	163,006,000	90,130,000	147,005,000	103,387,000
Week (23 Mills)	12,019,000	3,298,000	23,683,000	9,212,000	20,601,000	13,430,000
California Redwood Association:						
Total	54,903,000	53,662,000	48,614,000	44,512,000	59,896,000	46,911,000
Week (15 Mills)	8,429,000	7,623,000	6,226,000	6,969,000	8,329,000	6,113,000
North Carolina Pine Association:						
Total	51,400,516	46,882,119	54,926,528	47,658,544	43,429,701	43,406,043
Week (39 Mills)	10,402,363	8,611,917	9,196,162	6,733,747	9,436,300	6,557,284
Northern Pine Manufacturers Ass'n:						
Total	44,474,400	39,992,400	53,929,600	56,632,700	56,272,000	55,417,000
Week (9 Mills)	5,987,300	6,739,400	8,131,600	8,385,400	7,057,000	6,723,000
Northern Hemlock and Hardwood (Softwood) Total	16,121,000	22,864,000	15,602,000	17,389,000	11,996,000	13,492,000
Week (14 Mills)	991,000	2,352,000	1,835,000	1,754,000	1,201,000	1,296,000
General Total for 7 Weeks	1,496,944,285	1,471,091,330	1,635,050,380	1,560,688,859	1,704,083,247	1,512,207,604
General Total for Week	228,381,341	221,438,222	256,538,748	223,045,708	246,243,155	226,860,867

MECHANICAL

Super-Thickener and Clarifier.

A new thickener and clarifier which has just been placed on the market has several distinctive features, an important one being the filter bed in the bottom of the tank, which is kept constantly fresh and active by either continuous or intermittent slow rotation of a spiral cutter. It is known as the Hardinge Super-Thickener and Clarifier, being manufactured by the Hardinge Company, Incorporated, of York, Pa.



INTERIOR OF THE THICKENER.

The filter bed may be composed of a variety of substances, such as sand, diatomaceous earth, slack coal, or, in some instances, of particles classified from the material to be thickened. The unthickened material is fed into the tank at the center—to one side or through a variable depth well with an outlet at the surface of the filter bed—depth feeding. In the Thickener most of the clear liquid flows over the overflow weir. In addition, considerable percolates through the filter bed and is delivered crystal clear. As the particles settle on the filter bed, they are slowly drawn by the spiral to the discharge well at the center of the tank, where the thickened product is removed by sludge pumps or other means.

The illustration gives a good idea of the construction. The spiral blade is lowered by an adjustable micrometer feed a fraction of an inch into the tank with each revolution in order to carry off the thickened particles that have settled on the filter bed and at the same time to remove a minute film of the filter surface, thus keeping the bed porous. The settling rate is increased by drawing part of the effluent through the filter bed, the slow settling or dense zones being drawn down faster than the normal settling rate, thus increasing the quantity of material which can be handled in a given tank by 50 to 100 per cent.

Again, depth feeding, which is not generally satisfactory where the straight settlement system is employed, also greatly increases the capacity of the Thickener. Depth feeding is not generally practical in ordinary sedimentation thickening, but it is very effective on many materials, especially with very thick or very dilute feed. Density of discharge is increased, approximating that obtainable in vacuum filter cake.

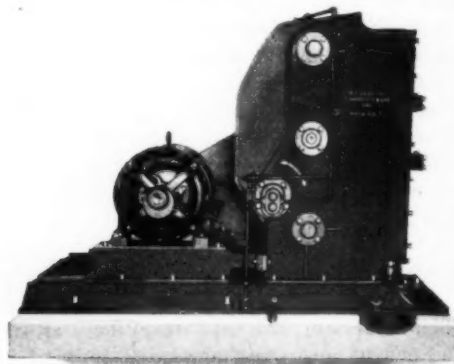
The Super-Thickener lends itself to a great variety of problems, such as the recovery of fine coal from washeries, slurry thickening in cement plants, thickening and mixing two or more products simultaneously, heap leaching, sewage disposal, counter-current washing, and many others.

Except for minor changes, its construction for use as a clarifier is the same as for thickening. Upkeep costs are very low, as the filter bed will last four or five years before renewal.

Application of the Clarifier is broad, some of the uses being clarification of cyanide solutions, acid solutions and sugar; filtering of oil and gasoline, city water, boiler-feed water and the prevention of stream pollution by clarifying waste liquids.

Double-Stroke Deep-Well Pump.

A new type of double-stroke deep-well pump designed to remove all troubles commonly experienced heretofore with pumps of this character, and also to include all new ideas of merit, has been developed by A. D. Cook, Inc., Lawrenceburg, Ind., and is shown in the accompanying picture. Claims



IMPROVED DEEP-WELL PUMP.

made for the efficiency of this pump are that it will handle more water with less power consumption, noise and vibration; also, that it possesses more features of convenience for its operation and maintenance. The manufacturers, who have for 45 years made deep-well plunger pumps and tubular well supplies, express confidence that this latest product will do everything that is claimed for it with entire satisfaction to users.

Two bell cranks with fulcrum bearings mounted in the frame produce the movement of the two cross-heads, two lines of pump rods and the two plungers, the cranks being opposed. One arm of each bell crank is connected to a different pair of cross-head rods, and in the other arms are slides in which work slide boxes mounted upon a common crank pin connecting the two main gears of the pump. Each plunger is made to make its down-stroke (when it is going down empty) quicker than the up-stroke when it carries the load. Consequently, for a short time twice in the revolution of the pump both plungers are ascending at the same time, producing an overlap which prevents the water column from coming to a dead stop at the end of each stroke, and eliminating strain, shock, vibration, valve hammer and gear noise.

In the pump base is an oil reservoir from which oil is pumped by a small gear pump into a tilting pan on the upper bell crank, from which all moving parts of the pump are bathed with oil, preventing much of the noise of the gears and also decreasing wear. The pump frame itself is a casing retaining the oil.

The entire pumping unit is mounted upon a rigid base; it is assembled complete at the factory and is very simple to install. It is not necessary to have a pump pit.

Industrial Engineers to Meet.

The thirteenth annual convention of the Society of Industrial Engineers will be held at the Bellevue-Stratford Hotel, Philadelphia, Pa., on June 16, 17 and 18. Meetings will be open to the public. A program is being arranged to cover all departments of manufacturing, papers and discussions to deal with practical methods for eliminating waste. National officers of the Society include the following: W. F. Rittman, Pittsburgh, president; George C. Dent, Chicago, executive secretary; Charles B. Gordy, Ann Arbor, Mich., vice-president in charge of education; P. A. Fellow, Detroit, vice-president in charge of research; W. W. Nichols, Detroit, vice-president in charge of promotion, and S. F. Mitzner, Chicago, treasurer. The society is a member of the American Engineering Council.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airplane Plants, Stations, Etc.

Fla., Tampa—Florida Airways, Inc., reported, contemplate building flying field; City Commrs. interested in providing temporary field to inaugurate passenger and freight service.

Va., Norfolk—Realty & Finance Corp. of Va., State & City Bank Bldg., Richmond, has contract at \$12,000 for erection of guide beams in the propeller research laboratory of the N. A. C. A. at Langley Field.

Bridges, Culverts and Viaducts

Proposed Construction

Ala., Mobile—Louisville & Nashville R. R. Co., W. H. Courtenay, Ch. Engr., Louisville, Ky., plans reconstructing bridge over Mobile River 14 mi. above mouth, swinging draw with horizontal clearance of 146 ft.

Ark., Clarksville—State Highway Comm., Herbert R. Wilson, Chmn., Little Rock, plans concrete bridge across Spadra Creek, Main St., Clarksville.

D. C., Washington—Dist. Engineering Dept., Roland Brennan, Ch. Clk., receives bids soon for viaduct and subway for B. & O. R. R. to eliminate grade crossing at Lamond Station.

Fla., Apalachicola—State Road Dept., Tallahassee, plans 2 bridges, over Carabelle and Oklochee Rivers, near Carabelle and McIntyre, on State Highway No. 10, completing link between Apalachicola and Tallahassee.

Fla., Ocala—Marion County Commrs. plan truss swing span bridge with earth fill approaches across Oklawaha River about 4 mi. from Fort McCoy.

Fla., St. Augustine—Foundation Co. will build 9 bridges. See Roads, Streets, Paving.

Ga., Hazelhurst—See Roads, Streets, Paving.

La., Bastrop—Morehouse Parish Police Jury receives bids Apr. 6 for 100-ft. steel span through truss superstructure across, and 426-ft. creosoted timber approaches to Bayou Bartholomew, at Zachary Ferry, 16-ft. roadway; plans from J. Leslie White, Engr.

La., Jena—Louisiana Highway Comm., Baton Rouge, receives bids Mar. 30 for 432-ft. steel and concrete bridge across and roadway approaches to Little River Bridge, Alexandria-Jena Highway, La Salle and Grant Parishes; plans on file; W. B. Robert, State Highway Engr.

La., Lake Charles—Louisiana Highway Comm., Baton Rouge, La., and Austin, Tex., receive bids Mar. 23 for Sabine River Bridge on Old Spanish Trail between Lake Charles and Orange, Tex.

La., McManus—Louisiana Highway Comm., Baton Rouge, received low bid from Robinson Construction Co., Centerville, Miss., for overhead crossing over Y. & M. V. R. R., McManus, Jackson-Clinton Highway, East Feliciana Highway.*

N. C., Charlotte—See Roads, Streets, Paving.

N. C., Lincoln—Lincoln County Commrs. plan 150-ft. steel bridge across Leepers Creek, near Lowmesville.

N. C., Wilmington—New Hanover County Commrs. plan bridge across Cape Fear River at Ann St.; 170-ft. lift span; cost about \$1,637,000. See Financial News—Bond Issues Proposed.*

Okla., Chandler—City, C. L. Boggs, Clk., plans viaduct improvement, cost \$25,000; Benham Engineering Co., Cons. Engrs., 502 Gumble Bldg., Kansas City, Mo. See Financial News—Bond Issues Proposed.*

Tenn., Chattanooga—City, E. D. Bass, Commr. of Streets, plans concrete bridge at

Flora Station, north of White Oak, Dayton Pike; replace culvert.

Tenn., Union City—State Dept. of Highways and Public Works, Nashville, plans overhead crossing over I. C. R. R. main line on Union City-Martin Highway.

Tex., Dallas—See Roads, Streets, Paving.

Tex., Del Rio—Val Verde County, W. F. Littleton, Judge, and State Highway Dept., Hal Mosley, Chmn., Austin, receive bids Mar. 5 for 54-ft. reinforced concrete bridge with short approaches, 21,000 lbs. reinforcing steel; G. M. James, Engr., Del Rio.

Tex., Galveston—Galveston County, E. B. Holman, County Judge, may receive bids soon for 782-ft. 188-ft. wide bridge over Dickinson Bayou, on Texas City-Kemah road; C. C. Washington, County Engr.*

Tex., Groesbeck—Limestone County, H. F. Kirby, Judge, receives bids soon for 3 bridges across Navasota River, 2 pile trestle and one steel bridge, estimated cost \$100,000; Horace Boyett, Engr., Pittman Bldg., Mexia.

Tex., Jacksboro—Jack County, H. C. McClure, County Judge, plans 130-ft. concrete bridge on Highway No. 39, between Jack and Wise Counties, three 43-ft. spans; estimated cost \$12,000; Guy R. Johnston, County Engr.*

Tex., Rusk—State Highway Dept., Hal Mosley, Chmn., Austin, approved plans for .91 mi. timber pile trestle bridge with earth fill approaches for Cherokee and Anderson Counties, estimated cost \$54,000; W. C. Bengel, Cherokee County Judge, Rusk; W. C. Quick, Anderson County Judge, Palestine.

Tex., San Antonio—City, John W. Tobin, Mayor, receives bids Mar. 8 for 83-ft. steel and reinforced concrete bridge across San Antonio River at Market St.; I. Ewig, City Engr.*

Va., Norfolk—See Roads, Streets, Paving.

W. Va., Huntington—Baltimore & Ohio R. R., H. A. Lane, Ch. Engr., Baltimore, Md., plans reconstructing bridge across Ohio River, 2500 ft. from mouth of stream, approximate cost \$50,000.*

Contracts Awarded

Fla., Fernandina—See Roads, Streets, Paving.

Fla., Key West—Monroe County Commrs. let contract to Tidewater Construction Co., Fort Lauderdale, at \$946,000 for bridges on Oversea Highway, along Florida Keys.*

Fla., Ormond—Florida East Coast Ry. Co., C. Oberndorf, Engr. of Construction, St. Augustine, Fla., let contract to Phoenix Bridge Co., Phoenixville, Pa., for steel fabrication of 273-ft. bridge over Tomaka River, about 2 mi. from Ormond.*

Fla., Riviera—Palm Beach County Commrs., West Palm Beach, let contract to Johnson, Drake & Piper Co., Miami, at \$13,000 for grading and paving approach to Sherman Point Bridge at Riviera.

Georgia—State Highway Dept. will build 5 bridges and approaches. See Roads, Streets, Paving.

Okla., Enid—Garfield County, Leona B. Lewis, Clk., let contract to Fred F. Wolke, Enid, at \$23,140, for 4 concrete and steel bridges.*

S. C., Aiken—Latimer & Peake, Columbia, awarded contract at \$16,767 for bridge at Southern railroad crossings on Aiken-Augusta Highway, near Johnston.

Tenn., Dyersburg—Dyer County Highway Comm. and Lauderdale County let contract to Jackson Iron & Bronze Co., Jackson, Tenn., at \$17,749 for steel and concrete bridge across Forked Deer River at Tiger Tail, connecting Lauderdale County to concrete highway under construction from Dyersburg to Tiger Tail.

Tenn., Murfreesboro—Rutherford County let contract to Nashville Bridge Co., foot Shelby Ave., Nashville, at \$15,000 for bridge over Stone River south of Murfreesboro.

Tex., Bryan—State Highway Comm., Hal Mosley, Chmn., Austin, let contract to Austin Bridge Co., 1813 Clarence St., Dallas, at \$16,966 to repair Pitts Bridge across Brazos River between Brazos and Burleson Counties.*

Tex., Eagle Pass—Eagle Pass and Piedras Negras Bridge Co. let contract to Pioneer Construction Co., 270 Glover Bldg., Kansas City, Mo., at \$200,000, for steel bridge across Rio Grande River.*

Tex., Vernon—State Highway Comm., Austin, Tex., and Oklahoma City, Okla., Wilbarger County, Tex., and Tillman County, Okla., let contract to Frederick-Vernon Bridge Co. at \$96,000 for pile trestle bridge across Red River, connecting Vernon, Tex., and Frederick, Okla.*

Canning and Packing Plants

La., New Orleans—Caernarvon Canning Co., Inc., increased capital, \$25,000 to \$50,000.

N. C., Wilmington—Southern Canning & Packing Co.; capital \$10,000; incorporated; R. K. Northrup, John Bright.

Clayworking Plants

Ala., Albany-Decatur—Decatur Brick Corp., E. L. Morrow, Mgr., reported to expend \$35,000 in plant improvements, install dryer, 4 kilns and machinery.

Ga., Sandersville—American Standard Clay Co., Inc., capital \$80,000, incorporated; John F. Jones, Pres.; I. M. Maulden, Treas., 1816 Senate St., both Columbia, S. C., have 527 acres clay deposits; will develop; are completing mill and warehouse, installing steam and power plant and equipment.

Miss., Laurel—B. A. Schneider, Laurel Hollow Tile Manufacturing Co., reported to construct plant, capacity 40 tons daily.

Mo., Hermann—Continental Brick Co., Otto Oehler, Propr., Arcade Bldg., St. Louis, reported interested in \$75,000 company to establish brick plant.

Mo., Jefferson City—State Penal Board, Dr. Cortez F. Enloe, Chmn., reported has option on Bert Dawson's brick manufacturing plant; will operate; later plan construction of brick plant in penitentiary.

Mo., St. Louis—Oak Hill Fire Clay Co., capital \$20,000, incorporated; A. C. Siems, 4556 Adkins St.

N. C., Charlotte—Southern Brick & Tile Co., capital \$100,000 incorporated; J. J. Cantwell 615 Kingston Ave.

S. C., Chesterfield—W. J. Adams and N. B. Hargrove, Dillon, reported acquired and will operate Chesterfield Brick Manufacturing plant.

S. C., Greenville—Superior Sewer Pipe Co., capital \$46,000, incorporated; C. R. Johnson; T. Kwit Legare, 2331 Terrace Way, Columbia.

Tex., Brownsville—Valley Clay Products Co. increased capital \$100,000 to \$125,000.

Tex., Edinburg—Edinburg Brick & Tile Co., A. J. Ross, is installing machinery at brick plant; will erect dry kiln, capacity 250,000 brick, later plan erection of 2 additional kilns.

Tex., Mineral Wells—Mineral Wells Brick Co. increased capital, \$200,000 to \$300,000.

Va., Richmond—A. Lynn Thomas Co., Inc., Wilton L. Thomas, Sec.-Treas., reorganization of Thomas & Cross, 1420 1/2 W. Cary St.

Coal Mines and Coke Ovens

Ark., Vilonia—Vilonia Coal Co. incorporated; C. H. Sams, Lou Sams.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Mo., St. Louis—Gill Brothers Coal & Coke Co., capital \$20,000, incorporated; James A. Rector, 415 Pine St.

Va., Richmond—Kemmerer Gem Coal Co., capital \$50,000, incorporated; R. S. Graham, G. C. McCall, both Norton.

Concrete and Cement Plants

Fla., Dade City—Dade City Cement Products Co. organized with Frank E. Mertz, Pres.-Gen. Mgr.; R. B. Sturkie, Sec.-Treas., has 8½-acre site, building plant to manufacture cement brick and hollow tile, initial capacity 7000 bricks and 4500 tile per 8 hours.

Fla., Jacksonville—Carolina Portland Cement Co., J. C. Harris, Mgr., will construct warehouse at First St. and Warehouse Ave., tile and brick, fireproof throughout, equip with automatic sprinkler system; contain about 35,000 ft. floor space; structure to take place of one recently burned.

Fla., Punta Gorda—See Miscellaneous Enterprises.

Cotton Compress and Gins

La., Opelousas—Opelousas Compress Co., S. W. Lichtenstein, Pres., will install high-density cotton compress, wood construction; iron roof; cost \$15,000; cost of equipment, \$57,000; Webb Compress Co., equipment contrs.*

Okla., Pawhuska—J. H. Bellis, Cushing, will construct cotton gin.

Tex., Harlingen—Henderson & Webb reported to construct \$40,000 cotton gin, 6 stand, 80-saw capacity.

Tex., Kerens—D. W. Ray & Son reported plan construction of \$45,000 cotton gin.

Tex., Moulton—Kubinka Bros. will erect cotton compress at Breslau.

Tex., San Juan—San Juan Gin Co., capital \$15,000, incorporated; W. Y. Webb, M. A. Green.

Tex., Temple—O. L. Fletcher will erect \$35,000 cotton gin, electrically operated.

Tex., Troup—W. A. Suber reported interested in erection of \$19,000 cotton gin.

Drainage, Dredging and Irrigation

Fla., Daytona Beach—Daytona Park Development Co., Inc., 116 S. Beach St., will probably let contract to Canal Construction Co., McCall St., Memphis, Tenn., for work in contemplated drainage district, embracing 71,000 acres land; Geo. B. Hills Co., Engrs., Jacksonville, Fla.*

Miss., Vicksburg—U. S. Engineers, Third Mississippi River Dist., Box 404, receiving bids for clearing levee borrow pits in district.

Tex., LaGrange—Colorado River Improvement Assn., A. J. Eilers, Pres., reported, contemplates forming irrigation district embracing portions of Bastrop, Fayette, Colorado and Wharton Counties; build dam across Colorado River, etc.

Electric Light and Power

Large sums are being expended for electric light and power work in connection with Land Development operations. Details will be found under that classification.

Ala., Hamilton—A. A. Miller, Pres., Fort Payne Light & Power Co., Fort Payne, interested in installing electric light plant, probably construct dam on Buttahatchee River.

Ala., Birmingham—Peoples Hydro-Electric Power Co reported to begin boring tests for \$1,000,000 hydro-electric power development on Coosa River.*

Ala., Birmingham—Southeastern Power & Light Co., 120 Broadway, New York, increased capital, 3,300,000 to 4,850,000 no par value shares; lately acquired Georgia Railway & Power Co., Atlanta, Ga.

Ark., Little Rock—Chamber of Commerce and Merchants Assn. reported interested in installing white way system on Main St.

Ark., Texarkana—George T. Conway and associates interested in installation of white way in business section.

Fla., Avon Park—City Council is receiving bids for 2 miles of whiteway, extension of Mall Whiteway from Verona to the lake.

Fla., Palm Beach—City will install street lighting system. (See Financial News—Bond Issues Proposed)

Fla., Palm City—Florida Power & Light Co., 27 N. W. First St., Miami, will install electric light system.

Fla., Winter Haven—City contemplates white way extension. (See Financial News—Bonds.)

Ga., Waycross—Ware County Light & Power Co., Box 210, H. A. Neil, Local Mgr., will begin construction in about 20 days on 17 miles of 11,000 volt transmission line to Patterson, Offerman and Sereven; 10,000 kv.a.; install transformers, pole lines and street lighting equipment.*

Ky., Nortonville—The J. G. White Engineering Corp., 43 Exchange Place, New York, are engineers and contractors for power house and boiler house for Kentucky Electric Power Corp. and will purchase all equipment for power company, prepare all plans and supervise construction, let all sub-contracts, etc.; will utilize present plant of Norton Coal Mining Co., a low pressure steam unit of 2000 h.p. capacity as standby; stoker fire boilers also will serve as reserve for new plant, which will have interconnected steam lines.*

La., Baton Rouge—Baton Rouge Electric Co. will extend power lines to Baker and Zachary, expend \$420,000; complete underground wiring, increase high voltage, install turbine.

N. C., Siloam—Southern Power Co., Charlotte, reported acquired Matthews' Mill and dam on Ararat River; install power plant.

N. C., Whitesville—Whitesville Utilities Co., capital \$25,000, incorporated; David A. Jayne, J. P. Summers.

N. C., Windsor—Virginia Electric Power Co., Richmond, Va., reported considering installing electric line.

Okla., Collinsville—City will improve light and power plant. See Financial News—Bond Issues Proposed.

Tenn., Memphis—Memphis Power & Light Co. will probably extend power lines to Brighton, Atoka, Munford and Covington.

Tenn., Waynesboro—Southern Cities Power Co., Provident Life Bldg., Chattanooga, reported to install temporary power plant, pending construction of high-tension electric line through Wayne County; let contract to W. D. Frazier for poles.

Tex., Austin—Texas Power & Light Co., Dallas, reported making survey of Austin dam with view to rehabilitating structure; may expend \$1,750,000 on improvements.

Tex., Junction—West Texas Utility Co., Abilene, reported to construct \$40,000 power plant addition.*

Tex., Newton—J. I. Miller, Jr., reported interested in establishment of light, water and ice plant.

Tex., Sour Lake—Western Public Service Co., J. G. Holtzclaw, Beaumont, contemplate following improvements for 1926: Provide new lines for lighting customers, reinforce distribution system to eliminate hazards and low voltage.

Tex., Walnut Springs—Texas-Louisiana Power Co., Fort Worth, reported acquired Keith Light Co.'s plant, also plants at Morgan, Meridian, Clifton, Iredell and Valley Mills; will probably construct reducing plant.

Tex., Winona—Town will probably install white way system. Address The Mayor.

Virginia—Appalachian Power Co., Bluefield, W. Va., contemplates following improvements in 1926: 132,000-volt steel tower line from Roanoke to Fieldale to Danville and North Carolina State line. 132,000-volt steel tower line, Glen Lyn to Switchback, W. Va. to Logan, W. Va. and 132,000-volt steel tower line, Switchback to Saltville, Va. to Kingsport, Tenn.; at Saltville, Switchback and Kingsport will build 132,000-volt substations; install 25,000-kw. steam turbine in steam plant at Glen Lyn.*

Va., Danville—Appalachian Power Co., Bluefield, W. Va., are constructing steel tower transmission line from Roanoke to Martinsville.

Va., Richmond—Virginia Electric and Power Co. reported to have begun construction of 66,000 volt transmission line between Richmond and Fredericksburg; cost \$750,000; plans include installation of 60 cycle system at Fredericksburg and widening and deepening canal at power plant.

Va., Yorktown—Town Trustees let electric light franchise to D. C. Curtis.

W. Va., Harpers Ferry—Potomac River Corp., Cleveland, Ohio, reported having survey made of stream and general territory of water power of Potomac and Shenandoah Rivers near Harpers Ferry; James R. Gloyd, Harpers Ferry, in charge.

Flour, Feed and Meal Mills

Mo., Kansas City—Kansas City Mill Products Co., capital \$15,000, incorporated; F. R. Roark, 916 E. Thirty-ninth St.

Tex., Beaumont—American Malt Flour Mills, J. E. Walker, Mgr., 446 Main St., will erect warehouse and office building at Franklin St. and Railroad Ave.; cost \$10,000.

Foundry and Machine Plants

Ala., Bessemer—United States Cast Iron Pipe & Foundry Co., Gordon Jones, Mgr., building pattern shop and storage house, brick and steel construction; estimated cost \$75,000.

Ga., Atlanta—Seeger Refrigerating Co. of St. Paul, Minn., reported let contract to King Bailey, Healey Bldg., for \$100,000 plant on Spring and Mill Sts., reinforced concrete and brick, contain about 8000 sq. ft. floor space; S. G. Gray, local Mgr.

Md., Baltimore—William Hutcheson Son's Co., 212 N. Holliday St., acquired 45x150-ft. site on S. Ridgely St. for machine shop; specialize in machine screw work and die manufacturing.

Mo., Kansas City—Western Welding Equipment Co. Incorporated; C. W. Burns, Searritt Bldg.

Mo., St. Louis—Refrigerating Machinery—The Monarch Compressor Corp. chartered; C. D. Lukens, 4908 Laclede Ave.

Mo., St. Louis—Riley Hawk & Son Co., 201 S. First St., incorporated; B. Riley Hawk, manufacture ice cream machinery, etc.

Tex., Elctra—Tanks—W. P. Lincoln contemplates building \$25,000 plant, 1-story, brick and reinforced concrete; install machinery for making tanks.

W. Va., Bluefield—National Armature Co., Locust St., reported let contract to Rosenheim, Pemberton & Cruise of Bluefield, for new plant cor. Beech St. and Bluefield Ave., 1-story, 140x60 ft., brick and concrete; estimated cost \$22,000.

Gas and Oil Enterprises

Fla., Miami Beach—Orange State Oil Co., N. E. 59th St., will construct 10,000-bbl. kerosene tank and 50,000-bbl. gasoline tank.

Fla., Tampa—Tampa Gas Co., John Gribbel, Pres., 1513 Race St., Phila., Pa., will construct 16-in. gas line; Norman S. Sprague, Const. Engr., Pittsburgh, Pa.

Ga., Cuthbert—Pan-American Petroleum Co. reported to erect distributing station; cost \$11,000.

La., Alexandria—Hardtner Edenborn Oil Co., capital \$100,000, incorporated; H. E. Hardtner, Urania; Q. T. Hardtner, Alexandria.

La., Bastrop—Tri-State Public Service Corp., Ouachita National Bank Bldg., Monroe, reported to construct 42-mile gas pipe line from Bastrop to Lake Providence.

La., Lake Charles—Utopia Oil Co., Inc., capital \$15,000, incorporated; Wm. S. Green, 742 Pujos St.

Miss., Jackson—Dixie Gasoline Co., capital \$25,000, incorporated; P. K. Lutken, 810 Euclid St.

Mo., Kansas City—Kansas Gas & Electric Co., capital \$25,000, incorporated; H. P. Wright, 918 Baltimore Ave.

Mo., Vandalia—Ryan Oil Corp., capital \$20,000 incorporated; J. E. Ryan, Ira Bungard.

Okla., Blackwell—City granted 20-yr. gas franchise to Blackwell Oil & Gas Co.

Okla., Enid—Champlin Refining Co., Enid, and Windsor Oil and Gas Co., Okmulgee, reported merged, with H. H. Champlin, Pres., Enid.

Okla., Muskogee—Pure Oil Co., S. Cherokee St., main office Chestnut and High Sts., Columbus, Ohio, reported to have acquired 2 blocks of land at present location; will enlarge plant, increase output of plant from 2000 bbls. to 5000 bbls.; install two 2000-bbl. cross-cracking plants, one 5000-bbl. tube still, two 600-bbl. stills, erect two 55,000-bbl steel storage tanks, 12 machine sharp processes to make tube cold test cylinder stock, addition to number of smaller storage tanks.

Tenn., Knoxville—Knoxville Gas Co., H. G. Bonner, Mgr., will probably extend service into South Knoxville and Fountain City.

Tex., Amarillo—Lucky Ten Oil Co., capital \$100,000, incorporated; W. O'Brien, T. E. Durham.

Tex., Amarillo—Badger Oil Co., capital \$112,000, incorporated; Sam L. Seay, E. L. Roberts.

Tex., Amarillo—Phillips Petroleum Co., Bartlesville, Okla., reported acquired South Hutchinson Oil Co.'s properties.

Tex., Brownfield—Gulf Refining Co., Port Arthur, reported are constructing \$25,000 wholesale plant.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tex., Cross Plains—Gunn Production Co., capital \$150,000, incorporated; C. C. Neeb, F. W. Stone.

Tex., Lockhart—Eagle Production Co., capital \$20,000, incorporated; J. A. Harper, M. O. Flowers.

Tex., Rockdale—Lee Oil Co., capital \$10,000, incorporated; John Lee, E. A. Camp.

Tex., San Antonio—Dependable Oil Co. incorporated; H. B. May, 733 W. French St.

Tex., Sipe Springs—Diamond Carbon Black Corp. applied to Railroad Com'n. for permission to establish carbon black plant, first unit to cost \$100,000.

Tex., Wichita Falls—American Refining Co., W. M. Priddy, Pres., City National Bank Bldg., reported to construct 200 mile 10-in. pipe line from Panhandle fields.

Ice and Cold-Storage Plants

Ark., Marshall—Marshall Ice & Electric Co., capital \$50,000, incorporated; H. W. Wright, Jr., W. F. Moody.

Fla., Lake Worth—All Florida Ice Co., capital \$125,000, incorporated; B. M. Street, G. C. Parrish.

Fla., Miami—Causeway Ice Delivery Co., Inc., capital \$15,000, chartered; J. C. Pereno, 1330 S. W. Third St.

La., Alexandria—Louisiana Ice & Utilities, Inc., capital \$500,000, chartered; Wiley F. Cord, Clarence J. Pope.

La., Many—Crystal Ice & Bottling Co. of Natchitoches and Mansfield, plans erecting 15-ton capacity ice plant and refrigeration department for ice cream.

La., New Orleans—Frigid Ice Co., Inc., capital \$15,000, chartered; P. F. Brown, Jr., 307 Whitney Ave.

Miss., Clarksdale—Delta Ice & Fuel Co. let contract to Carlross Co., Highland Ave., Memphis, Tenn., for well with Cook strainer and 222 gal. per min. Cook double acting pump outfit.

Mo., Cape Girardeau—Pure Ice Co., capital \$50,000, incorporated; R. L. Dearthmont, 415 Himmelberger-Harrison Bldg.

Mo., Marionville—Marionville Cold Storage Co., F. D. Hawley, Sec., let contract to Bodine Ice Machine Co. for installation of all machinery in new addition.

Mo., St. Louis—Polar Wave Ice & Fuel Co., 3638 Olive St., acquired site on Ninth St. between Victor and Barton Sts., 300x120 ft.; will erect \$300,000 structure, razing of old buildings to start immediately.

Tex., Breckenridge—Alexander & Dillham will construct \$50,000 ice plant and pier; reinforced concrete, triangular shape; Withers & Merrell, Archts., 104 1/2 Oak St.

Tex., Brownsville—Brownsville Ice & Cold Storage Co. contemplates building \$100,000 ice and cold storage plant; permanent construction, 43-ton capacity.

Tex., Kerrville—Kingsville Produce & Milling Co., Kingsville, Tex., will erect 25-ton capacity ice and cold storage plant; estimated cost \$50,000.

Tex., Paris—Southern Ice & Utilities Co., Santa Fe Bldg., Dallas, plans building \$35,000 cold storage plant; 1-story, brick and concrete.

Tex., Sour Lake—Western Public Service Co., J. G. Holtzclaw, Mgr., Beaumont, will recondition ice plant, build new vault, ammonia condensers to keep storage and eliminate losses; change freezing system from distilled water to raw water ice; Purchasing Department will buy all materials and most of work done by employees.

Iron and Steel Plants

Md., Baltimore—Rustless Iron Corp. of America incorporated; W. E. Ahrens, Lindsay R. Henry, Lyman B. Sessen, all 68 William St., New York City; will probably establish plant at Loney Lane and Pennsylvania R. R.

Md., Sparrows Point, Baltimore—Bethlehem Steel Corp. will begin erection of \$15,000,000 pipe mill, lately noted; will sell \$35,000,000 1 per cent preferred stock.

Land Development

Ala., Birmingham—J. B. Land Co., incorporated; Elbert S. Jemison, 1301 Niazuma Ave.

Ala., Russellville—Sullivan Real Estate & Insurance Co., incorporated; Robert L. Sullivan, Emil L. Reid.

Fla., Arch Creek—Vista Bella Corp., capital \$25,000, incorporated; J. N. Lummus, J. W. Moore.

Fla., Arcadia—Peace Valley Sales Corp., capital \$10,000, incorporated; J. W. Pelot, M. Appleby.

Fla., Arcadia—Central Florida Farms, Inc., incorporated; L. O. Stephens, J. H. Treadwell.

Fla., Avon Park—City will improve park system. See Financial News—Bond Issues Proposed.

Fla., Babson Park—Caloosa Lake Properties Co. incorporated; W. M. Jenkins, P. Butler.

Fla., Bartow—Pemberton Investment Co., capital \$200,000, incorporated; G. Pemberton, G. W. Bailey.

Fla., Brooksville—Floral Islands, J. C. Ferris, organized to develop 1500 acres on Lake Tsoia Apopka; construct golf course; Langford & Moreau, Landscape Engrs. and Golf Archts., 2405 Grace St., Chicago, Ill.

Fla., Boynton—Bankers Realty Co., incorporated; T. E. Woolbright, S. P. Adams.

Fla., Brooksville—Hill City Investment Co. incorporated; E. J. Willis, M. Manecke.

Fla., Cocon—T. T. Lovelace acquired 2560 acres on Lake Poinsett; develop.

Fla., Daytona Beach—Baker Investment Co., capital \$25,000, incorporated; G. W. Baker, R. L. Mitchell.

Fla., Daytona Beach—Allyon Park Co., Inc., chartered; J. M. Stark, H. A. Horn.

Fla., Daytona Beach—Gordon R. Cowles Corp., 244 S. Beach St., Gordon R. Cowles, Chicago, Ill., Pres., is developing Ganymede subdivision.

Fla., Delray—Bilt Rite Co., Inc., capital \$15,000, incorporated; G. B. Underhill, G. H. Snyder.

Fla., Fort Myers—Seaboard Air Line Railway reported acquired 2645 acres within boundaries of town of Naples for right of way, terminal sites and for development purposes; S. Davies Warfield, Pres., Continental Bldg., Baltimore, Md.

Fla., Fort Myers—Reed & Ludwig, Inc., capital \$10,000, incorporated; E. B. Reed, J. S. Ludwig.

Fla., Fort Myers—L. L. Buchanan, Tampa, acquired 82 acre tract at Iona.

Fla., Haines City—Peoples Realty Corp., capital \$10,000, incorporated; R. T. Dewell, T. Dewell.

Fla., Homestead—United Realities, Inc., capital \$25,000, incorporated; W. F. Sargent, O. M. Winter.

Fla., Jacksonville—Murray Hill Development Syndicate incorporated; W. A. Malone, A. J. Baird.

Fla., Jacksonville—Van Pelt & Hunter, 150 S. E. First St., Miami, acquired 25,000 acres in St. Johns County; will develop.

Fla., Jacksonville—Midland Realty Co., 116 W. Forsyth St., are proceeding with development of Lake Forest subdivision; are installing paved streets, sidewalks, etc.

Fla., Lakeland—New Central Realty Co., capital \$600,000, incorporated; J. E. Farrell, R. L. Little.

Fla., Leesburg—Central Florida Realty Co., capital \$20,000, incorporated; G. H. Harris, W. B. McKenzie.

Fla., Melbourne—Florida Acres, Inc., capital \$12,000, incorporated; T. Maddox, F. J. Lawlor.

Fla., Miami—Lucerne City Development Co., capital \$15,000, incorporated; H. R. Peavy, G. Barnes.

Fla., Miami—East Coast Holding Corp., capital \$25,000, incorporated; O. W. Pittman, Jr., 1045 S. W. Second Ave.

Fla., Miami—Frank M. Ross, Philadelphia, Pa.; Frank M. Howland, Long Beach, N. J., and others, reported, acquired 1880 acres Indian River land.

Fla., Miami—Florida Land Service Corp., C. T. McDonald, Sec., 171 N. E. Second St., will develop Banyan Estates subdivision; install water, sewers, electric lights.

Fla., Miami—F. A. Bennett's Biscayne Bay Syndicate incorporated; F. A. Bennett, 221 N. E. First Ave.

Fla., Miami—Trafford Properties Corp., capital \$60,000, incorporated; E. Trafford, 246 N. E. 35th St.

Fla., Miami Beach—Cobb Properties, Inc., capital \$350,000, incorporated; C. S. Cooper, 2 Forty-first St.

Fla., Okeechobee—Okeechobee Sunland Corp., capital \$50,000, incorporated; J. W. Wright, L. A. Hough.

Fla., Orlando—Underhill-Vernon Corp., capital \$60,000, incorporated; L. A. Hakes, E. H. Allen.

Fla., Orlando—Sias-Shepherd-Wright Investment Co., D. P. Sias, Sec., 22 W. Pine St., will develop 69 1/2 acres for subdivision; install sidewalks, Finley method streets, curbs, water, lights, gas, ornamental entrance, parks; M. C. Cash, Contr., Kissimmee; Bishop Engineering Co., Contr. Engrs., 116 S. Orange St., Orlando; Superior Landscape Service, Landscape Archt.

Fla., Sarasota—F. B. Bannister, 339 St. Paul Place, Baltimore, Md., reported acquired 400 acres Sarasota County land.

Fla., Sebring—Highlands Farm Sales Corp., Geo. L. Wright, Pres., West Palm Beach, develop subdivision on 22,000 acres.

Fla., Sebring—Sebring City Farm Co., Wm. E. Stedding, Cleveland, Ohio, will develop 3500 acres for town site.

Fla., St. Augustine—The Foundation Co., 120 Liberty St., New York, and P. O. Box 1064, Davis Shores, St. Augustine, advises regarding development work D. P. Davis Properties for Davis Shores development that contract calling for expenditure of \$8,000,000 includes: Major portion of \$5,000,000 in buildings planned for 1926; of this amount \$500,000 in construction is now under way; will pave 44 miles streets, lay 87 miles of sidewalks, build curbs, install water and gas mains, all sewage facilities, erect lighting fixtures and put all power, light and telephone wires in conduits; build 9 bridges over interior waterways, cost \$15,000 each; storm drain construction will total 17 miles and sanitary sewer 31 miles, cost of this work \$1,250,000; lighting system will include 1900 reinforced concrete standards, 15 ft. high, on boulevards and 12 ft. high on lateral streets.

Fla., St. Augustine—D. P. Davis Properties, Inc., let contract to Taylor Brothers & Co., Inc., 325 First St., Norfolk, Va., for 100,000 bbl. cement and 100,000 tons of gravel and sand.

Fla., St. Petersburg—N. L. Bedford Co., La Plaza Arcade, capital \$25,000, incorporated.

Fla., Tallahassee—Naples Investment Co. incorporated; H. J. Gallagher, W. F. Gibbons.

Fla., Tampa—N. C. Bryant Co., capital \$25,000, incorporated; N. C. Bryant, 420 Tampa St.

Fla., Tampa—Washington Park Properties, capital \$200,000, incorporated; E. D. Hayman, 50th St., Oak Park.

Fla., Tampa—Permanent Improvements, Inc., capital \$100,000, incorporated; D. S. Conoley, Ferlita Bldg.

Fla., Tampa—Longvue Heights, Inc., capital \$40,000, incorporated; H. Darlington, H. G. Ferguson.

Fla., Tampa—Golden Eagle Realty Co., capital \$50,000, incorporated; C. Love, N. Hardee.

Fla., Tampa—Toronto Corporation, capital \$10,000, incorporated; C. P. Glover, 513 Tampa St.

Fla., Tampa—Tampa-Lake Shore Estates, Robt. H. Bello, develop 600 acre subdivision.

Fla., Tampa—Grissim & Welch acquired 299 acres; develop subdivision.

Fla., Tampa—J. E. Cassels and Arthur Coleman, Plant City, develop subdivision.

Fla., Tampa—LaBelle Estates, Inc., capital \$20,000, incorporated; A. Greenberg, R. Barnett.

Fla., Vero Beach—O. O. Helseth & Sons, Inc., capital \$75,000, incorporated; O. O. Helseth, G. A. Helseth.

Fla., Wauchula—Floridian Properties Corp., Charles W. Tway, Pres., will develop subdivision; install 18-hole golf course, 20-acre lake with beaches and boat houses; paved streets, concrete sidewalks, sewers, water, electric lights.

Fla., West Palm Beach—Investment Holding Corp., capital \$10,000, incorporated; E. B. Coleman, D. V. Crawford.

Fla., West Palm Beach—Ira S. Dunkle, Inc., capital \$50,000, incorporated; I. S. Dunkle, H. G. Groover.

Fla., West Palm Beach—Olympia Highlands Corp., capital \$100,000, incorporated; G. B. Smith, E. S. Jarvis.

Fla., West Palm Beach—Alhambra Homes, Inc., capital \$10,000, incorporated; W. McCluskey, J. P. Heard.

Fla., West Palm Beach—Worthmore Development Co. incorporated; C. S. Webb, Sr., P. A. Schissel.

Fla., West Palm Beach—Jupiter-Peninsular Land Co. incorporated; O. E. Young, E. E. Cook.

Ga., Americus—Georgia Farms, Inc., J. G. Newton, Pres., will develop 4225 acres for

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agricultural purposes and one man farms, tourist camp with cottages, filling station, store, septic tank sewers, farm houses, barns, windmills, water tanks, etc., for establishment of 150 family community; A. d'Antignac, Constr. Engr.; work by company's forces.*

Ga., Augusta—Cedars Corporation, capital \$20,000, incorporated; J. T. Plunkett, 1322 15th St.

Ga., Quitman—J. E. Chace, representing Chace-Leuschner Co., Ocala, Fla., will develop 9 acre subdivision.

Ga., Macon—Junior Chamber of Commerce, Horace Weems and others interested in development of golf course.

Ga., Savannah—National Finance Corp. will develop subdivision at Bonaventure and Skidaway Rds.; A. A. Thomas in charge.

Ga., Savannah—Condez Realty Co. and Lewis Development Co., both New York City, reported acquired 4000 acres; will develop.

Ga., Tifton—Hill Crest Development Co., Inc., N. L. Davis, Sec., will develop 26½ acres for subdivision, install water and electricity.

Ga., Waycross—D. & O. Lott will develop 8-acre subdivision on Dixie Highway S.

La., Abbeville—Riverside Development Co., capital \$100,000, incorporated; Frank A. Godchaux, Frank A. Godchaux, Jr.

La., Hammond—Hammond Lands, Inc., capital \$25,000, incorporated; Maurice C. Wilson, J. Y. Sanders.

La., New Orleans—Triangle Farms, Inc., capital \$100,000, incorporated; Henry N. Sherburne, Plaquemine; H. C. Homeyer, New Orleans.

Md., Baltimore—Interocean Homes Co., 101 Light St., capital \$12,000, incorporated; Charles Russell.

Md., Baltimore—West End Real Estate Co., 100 N. Liberty St., capital \$75,000, incorporated; Karl R. Kahn.

Miss., Bay St. Louis—Ernest M. Barber, Gulfport and Stewart Gammill, Jackson, acquired 58 acres on Dunbar Ave.

Miss., Biloxi—Fred G. Benton, Olive Kernan, both Baton Rouge, La., will develop subdivision.

Miss., Gulfport—Carl L. Schmidt of C. L. Schmidt & Co., 30 LaSalle St., Chicago, Ill., reported acquired 1400 acres at Henderson Point; develop subdivision, construct golf course; development and construction work in charge of General Allison Owen, Major A. M. Shaw and Harold J. Neale.

Miss., Gulfport—Perkins-Smith Realty Co., capital \$50,000, incorporated; P. R. Perkins, E. D. Smith.

Miss., Pass Christian—Island City Development, R. B. Means, Pres., Baton Rouge, La., develop subdivision at Ocean Springs.

Miss., Vicksburg—A. E. Young reported acquired 108 acres; develop subdivision.

Mo., Clayton—Liberty Building and Realty Co., capital \$25,000, incorporated; Thos. J. Hough, Chas. J. Cartwright.

Mo., Kansas City—R. L. Winter & Co., Victor Bldg., will develop 20-acre subdivision.

Mo., Kansas City—M & S Investment Co., capital \$60,000, incorporated; Samuel M. Rubin, 4533 Main St.

Mo., St. Louis—Forest Hill Development Co., capital \$10,000, incorporated; Jon Concaunon, 4648 Garfield Ave.

Mo., St. Louis—Builders Realty Co. of America incorporated; E. D. Coddington, Roe R. Black.

Mo., St. Louis—B. L. Ottenad & Co. incorporated; B. L. Ottenad, 2021 Ann St.

Mo., St. Louis—Denison Lane Realty Co., capital \$50,000, incorporated; J. L. English, Lora B. Lane.

Mo., St. Louis—Thor Realty & Investment Co., capital \$175,000, incorporated; R. C. Duncan, 6127 Waterman St.

Mo., St. Louis—Toherne Realty Co. incorporated; Frank H. Tobey, 4117a S. Grand St.

Mo., St. Louis—Carleton Investment Co., capital \$100,000, incorporated; E. W. Grant, 6601 Waterman St.

N. C., Altapass—Altapass Scenic Mountains, Inc., S. T. Reid, 723 E. Main St., Spartanburg, S. C., will develop 1000 acres between Marion and Spruce Pine for subdivision; install water, sewers, electric lights, roads, 9-hole golf course, tennis courts, construct lake; Elton Hall, Melbourne, Fla., in charge of work.*

N. C., Asheville—Miller Co., Inc., capital \$25,000, incorporated; Charles G. Lee, Jr., Jackson Bldg.

N. C., Asheville—Ashnoca Land & Investment Co., capital \$100,000, incorporated; L. Dale Thrash, Waynesville Rd.

N. C., Asheville—Fisher Realty Co., capital \$50,000, incorporated; Samuel J. Fisher, 276 Cumberland Ave., Asheville.

N. C., Asheville—Galax Realty & Investment Co., capital \$25,000, incorporated; Carl R. Bamford, Chiles Ave., Kenilworth.

N. C., Asheville—S. & S. Investment Co., capital \$100,000, incorporated; C. E. Stillwell, 89 Patton Ave.

N. C., Asheville—Royal Realty Co., capital \$100,000, incorporated; Thomas S. Rollins, Jackson Bldg.

N. C., Asheville—Sunnicrest Land Co., capital \$100,000, incorporated; Francis J. Heazel, Medical Bldg.

N. C., Asheville—Summerland Realty Co., capital \$100,000, incorporated; Wm. A. Crozier, John C. Joyner.

N. C., Black Mountain—Chamber of Commerce reported interested in establishment of cemetery.

N. C., Charlotte—Carolina Land and Investment Corp., capital \$100,000, incorporated; O. J. Thies, 612 Providence Rd., Myers Park.

N. C., Concord—Concord Real Estate & Investment Co., capital \$125,000, incorporated; G. F. Agee, J. F. Fisher.

N. C., Durham—Wright-Mason Realty Co., capital \$100,000, incorporated; T. D. Wright, Interstate Telephone and Telegraph Co.

N. C., Durham—J. S. Murray, Inc., 121 E. Chapel Hill St., capital \$25,000, incorporated; J. S. Murray, Virginia Ave.

N. C., Hendersonville—H. G. Love, Fourth Ave. W., acquired tract in Panther Mountain; develop subdivision.

N. C., Lexington—Asheville Realty Co., capital \$100,000, incorporated; Charles Young, Fred Sechrist.

N. C., Shelby—Cleveland Springs Co. will develop 350 acres for subdivision; 18-hole golf course, install hard-surfaced streets, sanitary and storm sewers, water distribution system, pipe, hydrants, valves, landscaping; Samuel P. Baird, Constr. Engr., Shelby; E. S. Draper, Landscape Archt., Charlotte. [See Machinery Wanted—Road Roller; Concrete Mixer; Trench Machine; Grading Tools; Pipe (Sewer); Sewer Castings; Pipe (Water); Valves; Hydrants.]

N. C., Statesville—Carolina Motor Co., J. M. Deaton, Sales Agt., will develop Western Heights subdivision; install hard surfaced streets.

N. C., Washington—Eastern Realty Co., capital \$100,000, incorporated; John A. Mayo, B. F. Bowers.

N. C., Winston-Salem—Carolina Strawberry Farms Co., capital \$100,000, incorporated; W. E. Franklin, 215 Broad St., Winston-Salem.

Okla., Tulsa—Country Club, 201 Clinton Bldg., will develop golf course and club on Turkey Mountain.

S. C., Rock Hill—Walter E. Campbell, Landscape Archt., Greensboro, N. C., is developing 40-acre subdivision for Wilson Estate; will construct streets, sidewalks, water mains, electric and gas lines, 8 acres for park. (See Machinery Wanted—Sidewalk and Curbing Material; Water Works Material; Gas Line Material; Electric Line Material.)

Tenn., Chattanooga—August Fergler and L. W. Walton have option on 6000 acres on Lookout Mountain.

Tenn., Johnson City—Terrace Hill Land Co., J. E. Brading, is developing subdivision.

Tenn., Knoxville—Adair Realty & Trust Co., Atlanta, Ga., and Dooley-Gillespie Co., Knoxville, announced sale of Tate Springs Hotel property, consisting of 2500 acres, including mineral springs; Donald Ross, Southern Pines, N. C., reported to plan development of golf course; construct bottling plant and swimming pool.

Tex., Corpus Christi—George W. Baker, Lockhart, reported acquired for Florida capitalists, Qard Island, consisting of 200 acres.

Tex., Houston—Central Realty Co., incorporated; W. O. Huggins, Chronicle Bldg.

Tex., Houston—Leonidas Realty Co., incorporated; S. D. West, 2007 Mason St.

Tex., Houston—Gulf Coast Securities and Realty Co., capital \$15,000, incorporated; J. A. Brown, E. A. Cary.

Tex., San Antonio—R. W. Lorange, Advertising Mgr., Weekly Dispatch, will develop subdivision on Wurtzbach Rd.

Tex., San Antonio—Southern Land & Fl-

nance Co., capital \$25,000, incorporated; Frank Demara, I. W. Abbott.

Lumber Enterprises

Ala., Jasper—The Jasper Lumber Co. establish planing mill; has site in new subdivision; machinery purchased.

Fla., Brooksville—Brooksville Lumber Co., capital \$10,000, incorporated; J. G. Tucker, L. M. Allison.

Fla., Jupiter—Jupiter Lumber Co., capital \$50,000, incorporated; C. M. Heimbach, G. H. Daniels.

Ga., Waycross—Enterprise Lumber Co., W. D. Youmans, Mgr., contemplates enlarging plant.

La., New Orleans—R. L. Hill Lumber Co., Inc., 8201 Fig St., capital \$100,000, changed name from Hill-Cotton Lumber Co., Inc.

Miss., Canton—Dealers' Lumber Co., capital \$50,000, incorporated; C. L. Wright, S. C. Young.

N. C., Charlotte—Collins Corp., capital \$100,000, incorporated; A. Collins, 800 Central Ave.

N. C., Elizabeth City—F. T. Bray, Inc., capital \$100,000, chartered; F. T. Bray, Herman Ct. Apts., Norfolk, Va.; C. E. Thompson, Elizabeth City.

Tex., Bowie—Bowie Lumber Co., Inc., capital \$15,000, chartered; J. F. Donald, C. D. Donald.

Tenn., Newport—Rhyne Lumber Co., capital \$30,000, incorporated; T. Q. Hunt, J. O. Cope.

Tex., Houston—Robertson-McDonald Lumber Co., Humble Bldg., increased capital, \$175,000 to \$225,000.

Tex., San Angelo—McCarroll Lumber Co., capital \$50,000, incorporated; S. A. McCarroll, L. L. McCarroll.

Va., Richmond—Peter C. Warwick, Jr., Petersburg Turnpike, Chrmn. of Committee arranging details of consolidation of 5 lumber firms with approximate capital of \$40,000,000, including mills, retail firms and producers.

Va., Roanoke—Sandifur Lumber Co., capital \$24,000, incorporated; S. L. Gunn, 1617 Berkley St.

Metal-Working Plants

Ala., Atalla—Compress Buckle Co., J. A. Todd, Pres., 215 Houston St., Fort Worth, Tex., contemplates building plant addition; later plans manufacturing additional wire devices.

Mining

Ala., Birmingham—Alabama Lime & Stone Corp., 1306 First Ave., N., owners of O'Neals Lime Works, Inc., 1302 First Ave., will erect new plant, daily capacity 8000 to 4000 bbls.; designed and contracted by Schaffer Engineering Co., House Bldg., Pittsburgh, Pa.; part of kilns will manufacture high calcium lime and part high magnesia lime for finish plaster; also construct stone crushing plant to first prepare stone mechanically for the plant; will manufacture all kinds of raw limestone products, such as road building material, filler for fertilizer, agricultural lime, mineral dust, etc.

Fla., Daytona Beach—Pellicer Grant Quarry Corp., capital \$25,000, chartered; W. H. Barnes, D. B. Phillips.

Mo., Joplin—Consolidated Lead & Zinc Co., Fred N. Bendelari, Pres., purchased Tulsa-Quapaw Mining & Investment Co.'s mine and royalty interests and Baby Jim Mine in north-east Oklahoma.*

Tex., Houston—Micoilthie Co. of Texas, capital \$50,000, incorporated; Rawle Buckner, Joseph A. Daniel.

Va., Fredericksburg—Colorado-Virginia Mines, Inc., capital \$250,000, chartered; M. A. Ege, Pres., J. Alfred Ritter, Sec.; both Colorado Springs, Col.

Miscellaneous Construction

Fla., Palm Beach—Bulkhead, etc.—City will expend \$500,000 for bulkheading, \$200,000 for sidewalks and garbage disposal and \$100,000 for additional fire-fighting equipment; Travette Lockwood, City Mgr. See Financial News—Bond Issues Proposed.

Ga., Atlanta—Swimming Pool—R. J. Spiller, Inc., Ponce de Leon Ball Pk., has permit for \$15,000 swimming pool, 420 Ponce de Leon Ave.*

La., Reserve—Docks—Inland Waterways Corp., 321 Customhouse Bldg., New Orleans, received low bid from Dalgarn Construction Co., Louisiana Bldg., New Orleans, for construction of pile and timber dock.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Miss. Biloxi—Race Track—Mississippi Finance & Trust Co. (holding company) contemplates building race track for auto, motorcycle, dog and horse racing.

N. C. Asheville—Floyd Byram, Developer, let contract to R. M. Ramsay of Asheville to construct \$30,000 lake dam in Sulphur Springs Park property.

Tex. Alpine—Swimming Pool—Cas Edwards will erect natatorium, 30x150 ft. swimming pool, reinforced concrete; probably make other improvements; construction by day labor.

Tex. Fort Worth—Incinerators—City will soon begin construction of two incinerators, one located at present site of North Side plant and one in Arlington Heights; cost approximately \$35,000 each. Address City Engr. Lewis.

Tex. Fort Worth—Swimming Pools—R. D. Evans, Supt. Public Recreation Board, City Hall, advises, contemplates building 2 municipal swimming pools, one to be started within six weeks; cost approximately \$40,000 each; Van Slyke, Archt., drawing plans for one pool; contracts not let.*

Tex. Houston—Speedway—Houston-Galveston Speedway, Geo. Long, Mgr., will soon begin work on speedway; let contract to Wm. Moore Co., Second National Bank Bldg., for shell to build roads to lead from main highway to track and through tunnel that leads to infield; to Prince Construction Co. for 14 mi. board oval; about 4,500,000 ft. lumber required in construction and 120,000 lbs. nails.*

Miscellaneous Enterprises

Ala. Anniston—Mercantile—McAbee & Jenkins, Inc., capital \$31,000, chartered; J. W. McAbee, C. B. Jenkins.

Ala. Birmingham—Alabama Electric Supply Co., capital \$75,000, incorporated; Benj. W. Glassman, 3121 Highland Ave.; Cella P. Glassman.

Ala. Birmingham—Ensley Mattress Co., L. H. Holtzclaw, Owner, has permit for new factory, 36th and Avenue E, 1 story, 150x75 ft.; cost \$50,000 to \$60,000.

Ala. Birmingham—Clifford M. Ellis, 300 Sixth Place, S. W., soon begin construction of \$25,000 building at 2518 Seventh Ave., 1 story, 50x190-ft., brick; install \$10,000 equipment; to be occupied by Reese Art Cleaning Co.

Ala. Mobile—Radio Shop, Inc., capital \$10,000, chartered; L. A. Cowan, Jr., 1306 Dauphin St.

Ala. Selma—Fire-Fighting Equipment—City, Wm. E. Parrish, Mayor, contemplates purchasing additional fire-fighting equipment.

Ark. Fayetteville—J. F. Reiff will establish \$15,000 dry cleaning plant in connection with Citizens Laundry; 80x100 ft., brick and steel; work to begin soon.

Ark. Jonesboro—W. W. Christian Plumbing Co. will erect 2-story, 72x35-ft. shop, cor. Church and Monroe Sts., brick; soon let contract.

Ark. Waldron—The Fuller Judge Hardware Co., capital \$30,000, incorporated; E. M. Fuller, Geo. S. Forrester.

Fla., Bradenton—Consumers Ice Cream Co., incorporated; W. J. Barritt, J. A. Taylor.

Fla., Clearwater—Peninsular Ice Cream Co., Inc., capital \$10,000, chartered; F. M. Perrin, F. B. Standiford.

Fla., Clewiston—Florida Sugar & Food Products Co. of Canal Point reported merged with Southern Sugar Co. and Dahlberg interests; develop muck land bordering on Lake Okeechobee as sugar-cane growing center.

Fla., Daytona Beach—Chamber of Commerce Building Corp., capital \$250,000, chartered; L. S. Brown, 755 S. Ridgewood Ave.

Fla., Daytona Beach—De Luxe Cafe Co., capital \$25,000, incorporated; C. G. Anagros, S. Wallis.

Fla., Daytona Beach—Daytona Cafeteria Corp., capital \$15,000, chartered; J. Malavis, L. S. Belos.

Fla., Delray—Progressive Builders, Inc., capital \$25,000, chartered; L. W. Currier, I. J. Sinks.

Fla., Fort Myers—Building Material—Gulf Roofing Co., capital \$25,000, incorporated; W. S. Wallace, W. S. Turner.

Fla., Gainesville—L. B. Moritz, Sec. Alachua County Chamber of Commerce, and associates, interested in proposed state fish hatchery, which will probably be located in Alachua County; J. B. Royall, State Game and Fish Commr.

Fla., Jacksonville—Electrical Supplies—

United Electric Co., incorporated; H. B. Parker, C. Martin.

Fla., Jacksonville—Florida Beverage Supply & Equipment Co., capital \$30,000, incorporated; R. P. Lewis, R. F. S. Harman.

Fla., Jacksonville—Hotel Supplies—B. R. Tracy & Co., capital \$60,000, chartered; R. A. Jamison, S. M. Esser.

Fla., Jacksonville—Building Materials—American Speciality & Construction Corp. chartered; H. E. Cummings, W. O. Dunlap.

Fla., Kissimmee—King Construction Co. chartered; G. King, A. E. Gildner.

Fla., Lakeland—The Johara Erection Co., capital \$50,000, incorporated; J. C. Pennell, R. W. Kern.

Fla., Lakeland—Polk County Journal Publishing Co., incorporated; C. B. Swartout, R. E. Belcher.

Fla., Miami—Building Materials—Ground Floor Holding Corp., chartered; H. J. Smith, 303 E. Flagler St.

Fla., Miami—Miami Post Publishing Co., 610 N. E. Second Ave., capital \$15,000, incorporated; R. B. Gartier.

Fla., Miami—Building Materials—Miami Consumer Supply Co., incorporated; T. T. Sweet, 111 N. W. 48th St.

Fla., Miami—F. A. Bennett Building & Construction Co., capital \$1,000,000; F. A. Bennett, 221 N. E. First Ave.

Fla., Miami—Gulf State Furniture Co., capital \$50,000, re-incorporated; J. E. Rose, Lorraine Arcade.

Fla., Mount Dora—Construction—G. L. Bidwell, Inc., capital \$3,000,000, chartered; G. L. Bidwell, H. W. Bidwell.

Fla., Orlando—Construction—Alleman Brothers, Inc., capital \$50,000, chartered; H. W. & B. M. Alleman, 12 S. Thornton St.

Fla., Osteen—Lakecrest Hotel Co., capital \$25,000, incorporated; E. F. Householder, L. F. Boyle.

Fla., Palm Beach—Fire-Fighting Equipment. See Miscellaneous Construction.*

Fla., Punta Gorda—Sans Souci Construction Co., H. C. Bennett, Sec., contemplates building small cement products and wood-working plant; want prices on materials used by general contractors; Carl Raymond, Archt. (See Machinery Wanted—Contractors' Equipment; Building Materials.)*

Fla., Sarasota—Hill Construction Co., capital \$10,000, incorporated; V. H. Hill, F. Horton.

Fla., Sarasota—Building Materials—Fred F. Wooley, Inc., capital \$20,000, chartered; F. F. Wooley, R. King.

Fla., Sarasota—Heckman-Lindahl, Inc., leased site, building docks for wharfe and small office building; install equipment. (See Machinery Wanted—Sand Storage Bins; Conveying Equipment; Sand Handling Equipment.)

Fla., St. Petersburg—Keystone Transfer & Storage Co., incorporated; A. L. Ralston, 556 Beach Drive, N.

Fla., Sebring—Acme Construction Co., capital \$25,000, incorporated; W. J. Amy, W. S. Harris.

Fla., St. Petersburg—Florida Productions, Inc., Geo. Guillette, Pres., Tampa, the West Coast Representative of Pathe News, reported acquired land at Golden Hills, will erect complete motion picture studio and film laboratory.

Fla., Tampa—J. B. Hardin Hardware, Inc., capital \$50,000, chartered; Dr. J. D. Wilbanks, 916 S. Orleans Ave.; D. E. Carlton.

Fla., Tampa—Market Fixtures, etc.—Richard Hellman, Inc., capital \$50,000, chartered; Richard Hellman, W. E. Schwarzman.

Fla., Tampa—People's Wood, Coal & Coke Co., capital \$75,000, incorporated; D. Arias, J. D. Vega.

Fla., Tavares—Tavares Hotel Co., capital \$500,000, incorporated; C. J. Sipple, E. S. Burleigh.

Fla., West Palm Beach—Atkinson Dredging Co., capital \$200,000, incorporated; D. D. Atkinson, G. W. Carr.

Fla., West Palm Beach—Paint Distributing Co., capital \$50,000, incorporated; G. A. Jeske, F. E. Soll.

Fla., West Palm Beach—Croissantania, Harry M. Phelps, Gen. Mgr., 222 Clematis St., let contract for \$30,000 asphalt plant; arranged with Florida East Coast R. R. to lay trackage to plant.

Ga., Savannah—Dixie Engraving Co., capital \$30,000, incorporated; Wm. H. Hoffman, 214 E. Liberty St.

Ga., Tifton—The Imperial Tobacco Co., Ltd.,

contemplates enlarging building, double capacity of stemmery and re-drying plant.

Ky., Ashland—R. G. T. Construction Co., capital \$10,000, incorporated; P. H. Walters, R. G. Taylor.

Ky., Elizabethtown—News-Mirror Printing Co., increased capital \$15,000 to \$20,000.

Ky., Hartford—Hartford Printing Co. organized by consolidation of Hartford Herald Publishing Co. and Hartford Printing Co.; A. Fogle, Guy Ranney.

Ky., Louisville—Bakery, etc.—Bessire & Co., Eighth and Main Sts., acquired site at Twelfth and Main Sts.; erect factory.

Ky., Louisville—Stimpson Computing Scale Co., 809 W. Market St., acquired site at Logan and Breckenridge Sts.; erect \$200,000 factory building.

La., Baton Rouge—Southern Orange Drink Co., Inc., chartered; Eugene Cazedessus, 513 Church St.

La., Lake Charles—Lake Charles Rice Milling Co. of Louisiana, Inc., J. Allen Foster, Pres., Merchants Exchange Bldg., let contract to P. Olivier & Son, 114 Bilbo St., Lake Charles, for 4800 bbl. capacity mill.*

La., New Orleans—Babst Paving Co., Inc., chartered; Chas. J. Babst, Pres., 2435 Robert St.

La., New Orleans—Merchandise—Ezekiel & Co., Inc., capital \$20,000, chartered; G. S. Ezekiel, 2307 Robert St.

La., New Orleans—Acme Construction Co., Inc., capital \$50,000, chartered; A. N. Goldberg, 2303 Joseph St.

La., New Orleans—City Commrs. received low bid from the following: The Orton & Steinbrenner Co., for crane; the Highway Trailer Co., for 40 trailers; Canal Steel Works, 2126 Poland St., for 80 containers; the Southland Lumber & Trading Co., Inc., Whitney Bldg., for 250,000 ft. Southern yellow pine lumber.

La., New Orleans—Port Commrs. received low bid from Colonial Creosoting Co., Bogalusa, La., to furnish 233,000 ft. b. m. creosoted timber.

La., Opelousas—Fire Fighting Equipment—City receives bids March 9 for additional equipment. Address City Clerk.

La., Shreveport—Garson Brothers, Majestic Bldg., Shreveport, has contract for 50x175-ft. building; to be occupied by Ineeda Laundry Co., Albert Autrey, Pres.-Mgr.

Md., Baltimore—Frederick Road Building Co., Park Ave. and Fayette St., capital \$100,000, incorporated; Jacob Mizen.

Md., Baltimore—Columbia Construction Co., 2304 Ocala St., capital \$50,000, incorporated; Jacob Meyerhoff.

Md., Baltimore—Enterprise Carpet Cleaning & Storage Co. increased capital, \$40,000 to \$62,000.

Md., Baltimore—Maryland Ukelele Co., 2044 Walbrook Ave., capital \$25,000, incorporated; Martin Shatenstein.

Md., Baltimore—Household Electric Corp., 702 N. Howard St., chartered; Wm. L. Henderson.

Md., Baltimore—Hebrew Dairy, Inc., 1702 Fleet St., capital \$100,000, chartered; Wm. Flehinger.

Md., Baltimore—Ramsey, Scarlett & Co., Inc., 703 Keyser Bldg., capital \$25,000, chartered; Charles E. Scarlett; operate boat line, etc.

Md., Baltimore—Mayfair Garment Co., Inc., 3 S. Howard St., capital \$100,000; Stanley K. Harman, manufacture wearing apparel.

Md., Baltimore—Cigars—Walt & Bond, Inc., 25 Wickliffe St., Newark, N. J., has leased approximately 32,000 sq. ft. floor space in Candler Bldg.; establish plant.

Md., Baltimore—Pittsburgh Insurance Exchange, Inc., Calvert Bldg., chartered; R. Dorsey Watkins.

Md., Baltimore—Monumental Aircraft, Inc., 339 St. Paul St., chartered; Basil Gordon.

Md., Baltimore—Clothing—Staunton & Staunton, Inc., 2208 Linden Ave., chartered; Abe Behrend.

Md., Baltimore—Contracting—Frederick D. Carozza, Inc., 10 E. Lexington St., capital \$150,000, chartered; Frederick D. Carozza.

Md., Denton—Printing—Melvin & Johnson, Inc., capital \$24,000, chartered; Benj. H. Johnson, Mary Melvin.

Md., Sparrows Point (Beh. of Baltimore)—Maryland Slag Co., incorporated; Milton Hamburger, Fidelity Bldg., Baltimore.

Miss., Hattiesburg—Mattingly's Bakery, L. H. Mattingly, Pres., will erect \$50,000 bakery on Buschman St.; 2 story, 70x150 ft., brick; majority of machinery purchased;

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

later contemplates establishing delicatessen department.

Miss., Yazoo City—City contemplates establishing dehydrating plant. Address City Clerk.

Mo., Clayton—Building Materials—Clayton Supply Co., capital \$50,000, incorporated; Fred W. Arnold, 1916 McCausland St.

Mo., Elsberry—Elsberry Building & Supply Co. incorporated; John M. Gibson, H. R. Sanders.

Mo., Joplin—Paints—Interstate Bitumen Co., capital \$50,000, incorporated; Geo. B. Lang, Miners Bank Bldg.

Mo., Kansas City—Crankcase Oil Reclamation Co., capital \$100,000, incorporated; Earl P. Hopkins, care of Corporation Trust Co., Scarritt Bldg.

Mo., Kansas City—Spices, etc.—Jewett & Sherman Co., capital \$90,000, incorporated; J. M. Murdock, 1219 W. Eleventh St.

Mo., Kansas City—Railways Warehouse & Transportation Co. incorporated; Thomas Scott, 4239 Enright St.

Mo., Kansas City—Electrical Devices, etc.—Renn-A-Fuse Co. incorporated; Henry H. Kuhn, 3634a Wyoming Ave.

Mo., Knobnoster—Knob-Noster Creamery Co., capital \$15,000, incorporated; A. S. Adcock, F. E. Thurston.

Mo., St. Louis—Georgia Marble Co. incorporated; Sam Tate, J. L. Turner, 3401 Morganford Rd.

Mo., St. Louis—Emerson Electric Mfg. Co., King L. Parker, V. Pres., 2018 Washington St., leased building cor. Twenty-first and Olive Sts.; double manufacturing capacity; make electric fans and small motors.

Mo., St. Louis—Italian Mercantile Grocery & Mfg. Co., capital \$50,000, incorporated; Antonio Garavaglia, 5207 Wilson Ave.

Mo., St. Louis—Franklin Plumbing Supply Co., capital \$10,000; Edward Eastman, 1117 Franklin St.

Mo., St. Louis—Medicines, etc.—C. G. Remington, Inc., capital \$10,000, chartered; Fred L. English, 5615 Waterman St.

Mo., St. Louis—Shenandoah Bakery Co., capital \$50,000, incorporated; Vincent McShane, Fullerton Bldg.

Mo., St. Louis—Gahn Candies, Inc., 159 St. George St., chartered; L. M. Gahn.

Mo., St. Louis—Electric Motors—Century Electric Co., Pine St., acquired 8-acre site at Spring Ave. and Forest Park Blvd.; erect additional factory building.

Mo., Walnut Grove—Southwest Hardware & Lumber Co., capital \$40,000, incorporated; C. E. Davis, Cabool, Mo.

Mo., Washington—Undertaker, etc.—Otto & Co., Inc., capital \$63,000, chartered; Geo. H. Otto, Hy W. Breker.

N. C., Burlington—The Home Awning Co., organized; L. E. Kirkman, J. L. Dullin; install machinery for cutting and making awnings.

N. C., Burlington—Merchandise—Montgomery Co., capital \$50,000, incorporated; J. M. Dodson, Lynch St., Durham; James W. Montgomery, Burlington.

N. C., Charlotte—Caldwell Construction Co., capital \$100,000, incorporated; J. C. Caldwell, B. C. Caldwell.

N. C., Lincolnton—Merchandise—Carolina Wonder Automatic Baker Co., capital \$25,000, incorporated; W. M. Nicholson, Paul Rhodes.

N. C., Mount Olive—Mount Olive Pickle Co., capital \$100,000, incorporated; H. M. Cox, Jr., G. R. Wilkins.

N. C., North Wilkesboro—The Wilkes Baking Co., capital \$25,000, incorporated; S. V. Tomlinson, E. M. Long.

N. C., Oxford—Oxford Amusement Co., capital \$50,000, incorporated; A. S. Hall, Sam C. Hall.

N. C., Pinetops—Mercantile—S. L. Parker & Co., capital \$12,000, incorporated; S. L. Parker, W. H. Phillips.

N. C., Spindale—Mercantile—Hensley's, Inc., capital \$20,000, chartered; A. L. Hensley of Spindale; H. L. Carpenter, Rutherfordton.

Okla., Oklahoma City—Oklahoma Drugists Publishing Co., capital \$10,000, incorporated; Sam J. Trave, 401 W. 20th St.

Okla., Oklahoma City—Kunderer's Cafe Co., 22 N. Robinson St., capital \$40,000, incorporated; J. R. Kunderer.

Okla., Ponca City—Southwestern Stucco Co., capital \$150,000, incorporated; J. W. Wagner, Mgr., plans building factory, has 3-acre site.

S. C., Kingstree—Sumter Packing Co., B.

F. Shaver, Mgr., Sumter, S. C., plans establishing branch canning plant.

S. C., Spartanburg—Fire Fighting Equipment—City receives bids March 10 for pumper truck and ladder truck. Address City Clerk.

Tenn., Chattanooga—Viking Automatic Sprinkler Co., capital \$10,000, incorporated; D. A. Marshall, 2006 McCalla Ave.

Tenn., Chattanooga—Eleventh Street Realty Co. has permit for \$20,000 garage on King St.

Tenn., Dayton—E. B. Morgan acquired plant of The Nu-Way Cleaning Co.; will operate.

Tenn., Jackson—Sun Publishing Co. acquired old Armour Hotel building, cor. Baltimore and Market Sts., 95x60-ft.; will expend about \$10,000 to remodel building, install modern equipment.

Tenn., Knoxville—Model Laundry Co., Union and State Sts., let contract to John Turner, 1007 Island Ave., Home Park, for new laundry building at 408 Island Home pike; 1-story, brick.

Tenn., Knoxville—W. P. Rubin and L. C. Truax acquired Nu Grape Bottling Co.'s plant, 329 E. Jackson Ave., will reorganize and operate.

Tenn., Knoxville—Cherokee Construction Co., capital \$10,000, incorporated; J. H. Hodges, Deadrack Ave.

Tenn., La Follette—W. H. Parrott and associate warehouse for Campbell County and clats, interested in establishing \$15,000 adjacent parts of Claiborne, Union and Anderson Counties.

Tenn., Memphis—Memphis Steam Laundry, J. R. Rozler, Jr., 86 N. 2nd St., Pres., let following contracts for \$400,000 plant on Jefferson Ave.; to F. J. Ozanne & Co., Empire Bldg., for general construction; to Pritchard Bros., for plumbing; Fischer Heating Co., 367 Adams St., for heating equipment; Wm. Slater Electric Co., 134 S. 2d St., for electrical work; Globe Automatic Sprinkler Co., 2035 Washington St., Philadelphia, Pa., for sprinkler system; Venetian red brick with cream colored terra cotta; interior will be white tile; E. L. Harrison, Archt., Fidelity Bank Bldg., and will supervise construction; to be completed by Aug. 1.

Tenn., Rockwood—Rockwood Milk Products Co., capital \$15,000, incorporated; W. S. Neil, F. E. Crouch; taken over ice cream plant of W. S. Neil & Son; will install refrigeration and creamery machinery, manufacture ice cream, cheese and all dairy products.

Tex., Austin—Stephen F. Austin Hotel Laundry, J. C. Clopton, Mgr., installing \$25,000 laundry machinery.

Tex., Beaumont—Gulf Coast Trading Co. increased capital, \$35,000 to \$100,000.

Tex., Brownwood—Keen Bottling Co. of Brown County, Inc., J. R. McDonalds, Pres., Box 767, operate under Keen franchise, bottle complete line of carbonated beverages, 350 cases daily.*

Tex., Dallas—Southern Beverage Co., J. D. Claitor, general sales Mgr., will erect manufacturing plant at Zang Blvd. and Madison St.; begin immediate erection of "thirst station" featuring root beer, to be first of 5 major stations, each with 1200 gal. barrel; face brick, tile roof.

Tex., Dallas—The Eucaline Medicine Co., J. R. Hughes, Pres., 124 E. Jefferson Ave., acquired The A. E. Perkins Shoe Polish Co., 1307 River St.; will continue to manufacture various products.

Tex., Dallas—Roofing Supply Co., capital \$10,000, incorporated; Willis Lee, A. M. Scott.

Tex., Denison—Jenson Ice Cream Co., Inc., chartered; W. M. Jenson, C. S. Simenson.

Tex., El Paso—Continental Trunk & Bag Co., 216 S. Stanton St., increased capital, \$25,000 to \$50,000.

Tex., Galveston—Beach & Boulevard Hotel Co., incorporated; Louis Sigel, 2202 Q St.

Tex., Houston—Weber Show Case & Fixture Co. of Texas, incorporated; Walter E. Bates, 4514 Connor St., Ewing Wrelein.

Tex., Houston—Foley Bros. Dry Goods Co., 411 Main St., increased capital, \$500,000 to \$750,000.

Tex., McAllen—G. L. Hart and Harry Morbley will erect greenhouses; permanent construction; has site.

Tex., McKinney—Collin County Creamery, capital \$10,000, incorporated; N. J. Marley, Thomas Craig.

Tex., Nacogdoches—Banita Steam Laun-

dry, French Murphey, Gen. Mgr., let contract for \$20,000 laundry building; excavation work begun.

Tex., Naples—Paramount Candy Co., Inc., chartered Ernest Tutt, Harold House.

Tex., Orange—Ferry—De Witt C. Bennett, Orange County Judge, and B. B. Johnson, Jefferson County Judge, receive bids March 15 to furnish and operate the Neches River ferry for Orange-Port Arthur highway.

Tex., San Antonio—Mission Machine & Supply Co., 201 E. Cevallos St., increased capital \$15,000 to \$20,000.

Tex., San Antonio—Fraternal Supplies Manufacturing Co., capital \$30,000, incorporated; E. R. Chrono, 1019 N. Salado St.

Tex., San Marcos—San Marcos Laundry, capital \$15,000, incorporated; O. C. Smith, F. B. Smith.

Tex., Texarkana—The Texarkana Builders' Supply Co., capital \$25,000, incorporated; E. D. Trigg.

Tex., Weatherford—Carter-Ivy Hardware Co. increased capital, \$30,000 to \$45,000.

Tex., Wichita Falls—Colvert Ice Cream Co., Oklahoma City, Okla., will erect \$150,000 ice cream plant, 2-story, brick and reinforced concrete; soon invite bids.

Tex., Wichita Falls—Noble-Little Hardware Co., capital \$60,000, incorporated; W. R. Little, 1913 Elghth St.

Tex., Yoakum—Yoakum Candy Co., O. K. Davis, Mgr., let contract to F. O. Crawford for 20x46-ft. building; hollow tile and concrete, iron roof; will install candy making machinery; specialize in stick candy. (See Machinery Wanted—Candy Making Machinery.)*

Va., Norfolk—Butcher Adjustable Window Corp., 251 Tazewell St., organized; C. E. Herbert, Pres.; E. M. Thomas, Sec.; will manufacture new type window sash, invented by Galema Butcher.

W. Va., Belle—S. P. Puffer, Managing Director of Chamber of Commerce, Charleston, announces Belle Alkali Co. will erect plant additions.

W. Va., Belle—S. P. Puffer, Managing Director of Chamber of Commerce, Charleston, announces Sharpless Solvents Corp. will locate plant for manufacture amyl alcohol; construction to begin at once; has 12-acre site.

W. Va., Fairmont—Ice Cream, etc.—Hygeia Mfg. Co., A. V. Lynch, will rebuild burned plant on former site.

W. Va., Huntington—Hunter Auto Paint & Trim Shop, M. R. Hunter, let contract for 90x90-ft., 5-story building, Fourteenth St. and Tenth Ave., brick and steel; first unit to be erected will be 1-story, others built as needed.

W. Va., Spencer—W. R. Vineyard and R. W. Casto acquired Roane County Reporter; will publish.

Motor Bus Lines and Terminals

Ala., Birmingham—Johnson Auto & Tire Co., Montgomery and Cathoma Sts., will erect \$20,000 garage; 2-story, brick and steel, hollow tile, steel sash, built-up roof, concrete floors, etc.

Fla., Fort Lauderdale—Tulsa Shop, Inc., chartered; E. Davidowitz, H. L. Kirby.

Fla., Tampa—A. J. Simms, Citrus Exchange Bldg., has permit for \$30,000 garage at 1405 Howard St.

Fla., Tampa—Florida Motor Lines, Inc., Charles E. Bostwick, Jr., Mgr., formed by merger of large bus lines operating on 1290 mi. of road in Florida, including about 148 well-equipped buses.

Ky., Louisville—Louisville Taxicab & Transfer Co., Lee L. Miles, Pres., Second and Walnut Sts., contemplates erecting \$100,000 building at Ninth and Liberty Sts., 3-story, 105x200-ft.; increased company's fleet by purchase of 50 additional taxicabs.

Miss., Lumberton—Hinton-Robertson Auto Co., capital \$40,000, incorporated; R. W. Hinton, Sr., Geo. H. Robertson.

North Carolina—Southern Coach Co., F. M. Farlow, Sec., Norfolk, Va., reported, acquired The Blue Star Bus Line, Inc., operating between Greensboro and Charlotte; will continue to operate.

N. C., Troy—Troy Motors, Inc., capital \$25,000, chartered; J. R. Wallace, J. C. Hurley.

Tenn., Chattanooga—Drive Yourself Co., capital \$10,000, incorporated C. A. Matthews, M. R. Sharp.

Tex., Abilene—T. C. Campbell let contract

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to W. R. Truss for \$10,000 garage; 1-story, 30x130 ft. brick and hollow tile, tar and gravel roof, metal lath.

Tex., Atlanta—L. F. Allday plans building \$20,000 garage; 2-story, 80x100 ft., brick; Jas. Carpenter, Archt., Woolworth Bldg., Marshall.

Tex., Breckenridge—McCathron Motor Co., capital \$18,000, incorporated; E. R. McCathron, L. E. Seaman.

Tex., Dallas—Sam Lobello, 4901 Ross Ave., has permit for \$12,000 oil station; brick.

Tex., Kerville—Lee Mason & Son let contract to Clemens & Gombert at \$14,339 for automobile sales and service station; two 1-story, semi-fireproof buildings; Adams & Adams, Archts., both Builders Exchange Bldg., San Antonio.*

Tex., San Antonio—Union Bus Terminal, incorporated; Joe Amberson, 405 Dunning St.

Motor Cars, Garages, Filling Stations

Ark., El Dorado—West Main Motor Co., capital \$50,000, incorporated; J. D. Tribble, W. E. Wilbur.

Ark., Fayetteville—Jack Hight will erect \$12,000 garage, service station and battery shop.

Fla., Eustis—Eustis Auto Supply Co., capital \$50,000, incorporated; T. G. Bass, D. W. Pinkerton.

Fla., Fort Lauderdale—Gordon Tire Co., Inc., capital \$50,000, chartered; L. H. Gordon, M. Lamont.

Fla., Miami—Gulf Refining Co., Miami River, has permit for \$12,000 filling station, cor. S. W. Twenty-second and Sixteenth Sts.; capital \$32,500 to \$50,000.

Fla., Okeechobee—Automobiles—Bowden Bros., Inc., capital \$75,000, chartered; B. Bowden, D. T. Dasher.

Fla., Sanford—Sanford Overland Co., capital \$30,000, incorporated; V. Shipp, N. V. Eubanks.

Fla., Wauchula—Dishong Motor Co., capital \$45,000, incorporated; C. S. Dishong, W. F. Markette.

Fla., West Palm Beach—Stutz Palm Beach Co., incorporated; J. M. Baxter, H. C. Henderson.

Fla., West Palm Beach—Yellow Cab Co., Inc., chartered; W. C. Power, F. M. Cleveland.

Ga., Augusta—Commercial Motor Co., capital \$25,000, incorporated; Reginald M. Dales, 365 Greene St.

Ga., St. George—Norman Motor Co., incorporated; N. J. and L. N. Norman; erecting 30x100-ft. building, equip modern garage and repair shop with special equipment for Chevrolet cars.

Ky., Lexington—Automobile Accessories—O. W. Murphy Co., 114 Rose St., increased capital \$32,500 to \$50,000.

Ky., Louisville—D. H. Carpenter Garage, capital \$50,000, incorporated; D. H. Carpenter, 18th and Hill Sts.

Ky., Louisville—Louisville Taxicab Co., 824 W. Liberty St., has permit for \$35,000 alterations.

La., Alexandria—Farmerville Motor Co., Inc., capital \$100,000, chartered; Wess E. Davis, J. Lambert Broadwell.

La., Baton Rouge—Auto Parts Co., Inc., capital \$25,000, chartered; Wm. A. Atkinson, Tulip and Duhrer Sts.

La., New Orleans—J. Thomson & Bros., 233 S. Rampart St., will erect 5-story building on Gravier St., reinforced concrete, fireproof; first three floors used for garage service, upper floors for wagon works; Moise H. Goldstein, Archt., Hibernian Bldg.; receiving bids.

Md., Baltimore—John W. Tragreser, 1719 Gorsuch Ave., has permit to erect 6-story public garage in 1700 block Gorsuch Ave.

Md., Baltimore—Monumental Service Co., 11 E. Biddle St., capital \$50,000, chartered; J. Morfit Mullen.

Md., Baltimore—Standard Oil Co. has permit for gasoline service station, cor. North Ave and Barclay St., brick and stucco.

Md., Baltimore—Yellow Cab Co., W. W. Cloud, 1123 Cathedral St., has acquired plant of Detrick & Harvey Machine Co. at 56 E. Preston St.; will remodel for garage, repair shop and service station.

Miss., Grenada—Henderson & Mabry Chevrolet Co., capital \$10,000, incorporated; W. O. Mabry, A. A. Henderson.

Miss., Ocean Springs—Standard Oil Co. will erect \$10,000 filling station cor. Washington Ave. and Government St., concrete, brick and stucco.

Mo., Joplin—Jamison Wise Motor Co., 518 Joplin St., capital \$20,000, incorporated; J. Condon Wise.

Mo., Kansas City—Automobiles—Auburn Distributors, Inc., chartered; H. S. Lowe, 2619 Grand Ave.

Mo., Kansas City—Henderson Tire Sales Corp., chartered; Geo. C. Riley, 1522 Walnut St.

Mo., Labelle—Lewis County Motor Co., capital \$30,000, incorporated; Glenn Richards, Labelle; Vess Delaney, Edina, Mo.

Mo., St. Louis—J. W. Automobile Co., Inc., incorporated; Herman C. Waldman, 208 S. Twelfth St.

Mo., St. Louis—F. W. A. Vesper, Pres., Vesper-Buick Automobile Co., Grand and Lindell Blvd., acquired site cor. Grand Blvd. and Winnebago St.; will erect 2-story, fireproof building, reinforced concrete; to be erected by Wm. H. Smith-Nelson Cunliff Co.; leased to South Side Buick Co.

Mo., St. Louis—Automobile Accessories—Russell Manufacturing Co., Inc., capital \$10,000, chartered; T. M. Russell, 503 N. Twelfth St.

N. C., Elkins—Johnson Motor Co., capital \$50,000, incorporated; J. R. Johnson, S. P. Fletcher.

N. C., Greensboro—Dept. of Public Works, will erect municipal garage, 80x110-ft., 1-story, brick, composition roof on steel trusses, concrete floors; estimated cost \$20,000; receive bids March 2.*

Okla., Shawnee—Aston Tire Co., capital \$10,000, incorporated; C. S. and C. A. Aston, Fidelity Bldg.

Okla., Stigler—Lantz Motor Co., capital \$25,000, incorporated; L. J. Lantz, J. P. McDaniel.

S. C. Columbia—Chester Auto & Wagon Works, of Chester, F. E. Benoit, reported, will move plant to Columbia, to be known as Columbia Auto & Wagon Works; site for new plant not decided.

Tenn., Jackson—Eubank Auto Supply Co., capital \$20,000, incorporated; I. R. Eubank, W. M. White.

Tenn., Knoxville—Rodgers & Co., 900 S. Gay St., will erect \$50,000 garage cor. West Main and Henley Sts., 2-story, 100x148-ft., concrete and steel, fireproof, concrete floors, plate glass windows for showrooms; install complete garage equipment, etc.*

Tenn., Nashville—The O. F. Noel Estate, 53 Noel Bldg., through its Trustee, O. F. Noel, Jr., and John H. Noel, will erect Noel Garage, cor. Church St. and Third Ave.; 5-story, fireproof, brick and stone automobile hotel, capacity 557 cars; building will be constructed on two levels, giving easy grades; install double ramps, each floor having wash racks, facilities for air and water; passenger elevator; Hart, Nevins, Freeland & Roberts, Archts., Independent Bldg.; construction to begin at early date.

Tex., Beaumont—B. K. Appleman, 901 Pearl St., let contract to McDaniel & Hartford for garage at Park and College St.; 2-story, estimated cost \$30,000; F. W. Steinman & Son, Archts., 411 San Jacinto Life Bldg.

Tex., Fort Worth—Tarrant Motor Co., Inc., capital \$15,000, chartered; J. N. Whitehurst, 3316 Annie St.

Tex., Houston—Automobile Painting, etc.—Mosehart-Schleeter Co., 211 Caroline St., increased capital, \$35,000 to \$70,000.

Tex., Palestine—The Gulf Company has begun excavation for \$20,000 filling station on Crawford St., 1-story, brick structure.

Tex., Sherman—Sherman Vulcanizing Works, N. Crockett St., contemplate improvements, build drive-in filling station, etc.

Tex., Waxahachie—Carlisle Chevrolet Co., Inc., capital \$10,000, chartered; W. O. Hugins, Frank Liddell.

Va., Galax—Twin City County Motor Co., Gordon A. Felts, Pres., increased capital, \$100,000 to \$200,000.

W. Va., Shinnston—Automobile Accessories—Conservative Buyers' Assn., capital \$25,000, chartered; F. W. Sturm, Shinnston; E. E. Emrick, Lumberport.

Railways

Okla., Homestead—Chicago, Rock Island & Pacific Railway has authorized construction of a cut-off from Homestead to Okene, Okla., 10 mi.; C. A. Morse, Chicago, Ill., is Ch. Engr.

Tex., Floydada—Pecos & Northern Texas Railway of the Santa Fe System has applied to the Interstate Commerce Commission for authority to build a line from Floydada southeasterly 15 mi.; M. C. Blanchard, Amarillo, Tex., is Ch. Engr.

Railway Shops and Terminals

Ky., Paducah—Illinois Central R. R. Co., A. F. Blaess, Chief Engr., Chicago, Ill., advises construction of iron shed, brass foundry, store house, wash and locker buildings awarded to Ellington Miller Co., 417 S. Dearborn St., and for erection of boiler shop, paint and tank shop to Jos. E. Nelson & Sons, 35 S. Dearborn St., both Chicago, Ill.*

Okla., Enid—Chicago, Rock Island & Pacific Ry. Co., C. A. Morse, Ch. Engr., Chicago, Ill., reported let contract to Railroad Water & Coal Handling Co., 608 S. Dearborn St., Chicago, Ill., for 300-ton frame coaling station.*

Okla., Heavener—Kansas City Southern Ry. Co., A. N. Reece, Ch. Engr., Kansas City, Mo., advises the addition to 7-stall roundhouse will be constructed by Company's forces.*

Roads, Streets and Paving

Large sums are being expended for roads, streets and paving in connection with Land Development operations. Details will be found under that classification.

Proposed Construction

Ala., Auburn—City, Dr. C. S. Yarbrough, Mayor, receives bids soon for about \$75,000 paving and concrete sidewalks.

Ala., Dadeville—State Highway Comn., Montgomery, receives bids April 7 for 1.073 mi. Short Route Road, through Dadeville, Tallapoosa County.

Ala., Fayette—State Highway Comn., Montgomery, receives bids April 7 for 1.073 mi. paving in town of Fayette, 3618 cu. yd. excavation, 5313 lbs. reinforcing steel in culverts, 21,232 sq. yd. one-course plain cement concrete or cement concrete base course, 19,959 sq. yd. 2-in. rock asphalt, bituminous concrete, bitulithic or sheet asphalt; plans from W. A. McCalla, State Highway Engr., or Div. Engr., Lincoln Bldg., Birmingham.

Ala., Florence—City Comn. plans paving 10 streets, laying hard-pan streets, curbs, gutters and sidewalks on streets in Robinson and Christian subdivisions.

Ala., Mobile—City Commrs. plan improving Conception St. Road, between city limits and Mobile Bay Bridge, and paving from Beauregard St. to city limits at Three Mile Creek.

Ala., Muscle Shoals—Fowler Brothers, 213 Montgomery Ave., Sheffield, plan streets, paving and gutters in Wilson Park and Detroit Park subdivisions; engineers making surveys.

Ala., Opelika—State Highway Dept., Montgomery, plans improving highway between Columbus and Opelika.

Ala., Phenix City—W. N. Daniels, Clk., receives bids Mar. 15 to grade and pave 8 streets, including Broad, Fifth and First; plans on file.

Ala., Tarrant—City plans road paving, cost \$80,000. Address City Clk. See Financial News—Bond Issues Proposed.

Ark., Eudora—City will let contract soon to pave 6 blocks Main St. Address City Clk.

Fla., Brooksville—City, Charles M. Price, Mayor, plans street improvement; F. S. Parrigan, City Engr. See Financial News—Bond Issues Proposed.*

Fla., DeLand—Board of Bond Trustees, Ocean Shore Improvement Dist., Flagler and Volusia Counties, W. H. Courtney, Sec., Peninsula Station, Daytona Beach, receives bids Mar. 25 for 40 mi. 20-ft. paving and culverts, 300,000 cu. yd. earth embankment; plans from C. M. Rogers, 422 N. Beach St., Daytona Beach, Engr. in charge. Lately noted bids Feb. 10.*

Fla., Gainesville—Alachua County Commrs. plan completing State Road No. 13, in Road Dist. No. 8; cost \$200,000. See Financial News—Bond Issues Proposed.

Fla., Groveland—City plans expending \$200,000 for streets, water works, park improvement, etc. Address City Clk.

Fla., Homestead—City plans extending Krome Ave., Eureka Road to Tamiami Trail. Address Redland Dist. Chamber of Commerce.

Fla., Lake Weir—Lake Weir Estates, Inc., Ivan V. G. Rae, Sec. and Gen. Mgr., 279 E. Flagler St., plans expending \$1,500,000 for street, sidewalk and curbing improvement.

Fla., Palm Beach—City, Tretvette Lockwood, Mgr., plans sidewalks and street widening. See Financial News—Bond Issues Proposed.*

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Fla., Port Orange—City plans street paving; estimated cost \$228,000; N. A. Hotard, Engr., New Smyrna.

Fla., St. Augustine—Foundation Co., 120 Liberty St., New York, and P. O. Box 1064, Davis Shores, St. Augustine, will pave 44 mi. streets, 100, 80 and 60 ft. wide; 87.7 mi. sidewalks and curbing; 9 bridges over interior waterways, costing \$15,000 each; in Davis Shores Development.

Fla., Sebring—Chamber of Commerce interested in widening 4 streets in business section.

Fla., Sebring—State Road Dept., Tallahassee, receives bids March 15 for 5.37 mi. Florida lime rock base, Road No. 8, Highlands County; plans on file and from Div. Engr.; J. L. Cresap, State Highway Engr.

Fla., Tampa—City Comm., Wm. E. Duncan, Clk., receives bids Mar. 9 to grade, curb and lay 39,065 sq. yds. pavement and 22,941 lin. ft. curbing; asphalt block, vitrified brick, including sand cushion, crushed rock or shell base; granite or concrete curbing.

Fla., Tampa—Hillsborough County Comms., W. A. Dickenson, Clk., receives bids Mar. 17 to grade and pave 19,838 ft. streets and lay 38,948 lin. ft. curbing on 9 streets; plans from A. B. Pimm, County Engr.

Ga., Alma—Bacon County Comms. plan sand-claying road from Alma to Jeff Davis County line, being part of Beeline Route, Macon to Jacksonville.

Ga., Columbus—City Comm. plans paving Fourth Ave., Thirteenth to Sixteenth St., and widening 30 to 40 ft., from Thirteenth to Fourteenth St.; paving Fourteenth and Sixteenth St., Third to Fourth Ave.; J. Homer Dimon, Mayor.

Ga., Dalton—City Comm. plans receiving bids to pave South Thornton Ave., Walnut to city limits, and McCann St., Morris to Emery.

Ga., Decatur—DeKalb County Comms. receive bids Mar. 12 for 1 mi. Stone Mountain road, city limits of Stone Mountain to Confederate monument, approximate cost \$35,000; L. T. Y. Nash, Commr.

Ga., Fitzgerald—City, J. H. Mayes, Mayor, postponed opening bids for street paving, curbing and guttering; O. H. Lang, Cons. Engr., Moultrie. Lately noted bids Mar. 5.

Ga., Hazelhurst—Jeff Davis County Comms. plan 2 hard-surfaced roads, totaling 24 mi.: Macon - Brunswick; Hazelhurst - Waycross; bridge across Satilla Creek; cost \$150,000. See Financial News—Bond Issues Proposed.

Ga., Milledgeville—City plans paving street intersections, cost \$425,000. Address City Clk. See Financial News—Bond Issues Proposed.

Ga., Thomasville—City plans street paving in residence section; Robert & Co. Engrs., Atlanta. See Financial News—Bond Issues Proposed.

Ga., Toccoa—Stephens County Comms. plan expending \$75,000 toward paving 14 mi. Piedmont Air Line Highway, South Carolina line to Habersham County line; \$125,000 to improve topsoil highways through county. See Financial News—Bond Issues Proposed.*

Ky., Glasgow—Barren County appropriated \$15,000 toward Dixie Highway from south of Glasgow Junction to Hart County line. Address County Comms.

Louisiana—Louisiana Highway Comm., Baton Rouge, received low bids for 2 roads: Jackson Parish, 7.65 mi. gravel, Jonesboro-Monroe Highway, I. M. Goldberg, Abbeville, \$37,383; Ascension Parish, 2.83 mi. gravel, Donaldsonville-White Castle Highway, Tircuit & Co., Plaquemine, La., \$8968.*

La., Bossier City—Town, J. W. Birdwell, Clk., receives bids Mar. 9 to improve Ogilvie Ave., Traffic St. to Bennett St., 5680 sq. yds. 6-in. reinforced concrete, 1:2:3 mix, 2000 cu. yd. excavation, 4590 lin. ft. curb and gutter; plans on file from Tom Hickman, Mayor, and E. T. Archer & Co., Cons. Engrs., 1011 City Bank Bldg., Shreveport, La., and New England Bank Bldg., Kansas City, Mo.

La., Colfax—Louisiana Highway Comm., Baton Rouge, received low bid from A. M. Wilks, Alexandria, at \$12,818 for 2.49 mi. gravel Colfax-Pollock Highway; Superior Sand & Gravel Co., Woodworth, La., low bidder at \$2.16 per cu. yd. for 1.618 cu. yd. gravel.*

La., Covington—Louisiana Highway Comm., Baton Rouge, receives bids Mar. 16 to build and furnish gravel for 5.25 mi. Covington-Franklin Highway, St. Tammany Parish. Folsom to Washington Parish line; plans on file; E. B. Robert, State Highway Engr.

La., Lake Providence—Louisiana Highway Comm., Baton Rouge, receives bids about Mar. 15 for 22 mi. gravel Lake Providence-Jackson

Ferry Bridge road; plans on file; W. B. Robert, State Highway Engr.

La., New Orleans—Edgelake Lands, Inc., Meyer Eiseman, Pres., Union Indemnity Bldg., plans building and surfacing roads in development.

La., New Orleans—City receives bids Mar. 30 to install complete system of sub-surface drains, permanent paving with vitrified brick, asphalt, concrete, asphaltic concrete and temporary gravel surfacing on various streets; also curbing, gutter, sidewalks, etc.; Bryson Vallas, City Engr.*

Md., Baltimore—Board of Estimates approved plans to expend \$149,000 to pave section of 16 streets, including Erdman Ave., Harford to Belair Road; Howard W. Jackson, Mayor.

Md., Baltimore—Board of Awards receives bids March 10 to grade, curb and pave streets in Contr. No. 310, 12,200 sq. yd. sheet asphalt; No. 311, 6950 sq. yd. sheet asphalt; No. 312, 6300 sq. yd. cement concrete; No. 313, 4160 sq. yd. cement concrete; plans on file; Howard W. Jackson, Mayor; Steuart Purcell, Highways Engr.

Md., Towson—Baltimore County Comms., John R. Haut, Ch. Clk., receives bids Mar. 9 to improve 2 roads: 1.17 mi. concrete Worthington Ave. from end of concrete to Tufton Ave.; 2 mi. concrete Tufton Ave., Worthington Ave. to end of concrete; plans from Samuel A. Green, Roads Engr.

Miss., Army—Board of Aldermen, E. E. Cowley, Clk., receives bids Mar. 5 for 13,355 sq. yds. bituminous pavement, 8004 sq. yds. preparing sub-grade; 5900 sq. ft. concrete walk; plans on file and from A. L. Dabney, Cons. Engr., Memphis, Tenn.; S. A. Grady, Mayor.

Miss., Wiggins—Stone County Board of Suprs. plans letting contract in April to grade and gravel-surface about 6 mi. highway.

Miss., Winona—City, W. F. Blackston, Clk., receives bids April 6 for 13,000 sq. yd. 1-2-3 concrete paving, with 12,000 lin. ft. 6-in. vertical integral curb and 4000 cu. yd. excavation; Hugh Worley, Jr., Res. Engr., Winona; Massena L. Culley, Cons. Engr., New First Natl. Bank Bldg., Jackson.*

Mo., Republic—Town, W. M. Barron, Mayor, plans paving main street.

Mo., St. Louis—Board of Public Service receives bids March 16 to rebuild, pave and widen portion of Franklin Ave., High to Jefferson, and Maryland Ave., Euclid Ave. to Kingshighway Blvd.; plans from Pres., Room 300 City Hall.

N. C., Asheville—City, John H. Cathey, Mayor, plans widening and extending Valley St. to Southside Ave., and widening streets in business section, including Eagle, Market, Spruce and Margorie.

N. C., Charlotte—City Comm. plans widening College St. to 45 ft. between Stonewall and Ransom Place, extending to connect with Ransom Place, and constructing underpass beneath Southern Ry. tracks; W. S. Stancill, Commr. of Public Works.

N. C., Durham—Durham County Comms. plan widening Holloway Road, 30 to 50 ft., with 8-ft. sidewalk on each side, to connect with Holloway St.; R. A. Rigby, Mgr.

N. C., Lillington—Harnett County Road Comm. plans road from Lillington to Cumberland County line near Manchester.

N. C., Plymouth—Town plans concrete streets from Monroe St. to boundary line National Handle Co.'s property. Address Town Clerk.

N. C., Winston-Salem—Public Works Dept. receives bids soon to pave Apple St. and Sunset Drive and for concrete sidewalks on 7 streets; plans paving Sixth and Seventh Sts. Address Board of Aldermen.

N. C., Winston-Salem—Board of Aldermen plans extending Third, First St. and widening Burke St.

Okla., Chandler—City, C. L. Boggs, Clk., plans paving Ninth St. with brick on concrete base; Benham Engineering Co., Cons. Engrs., 502 Gumble Bldg., Kansas City, Mo.

Okla., Elk City—City, Louis A. Ross, Clk., plans brick street paving in residence section; Benham Engineering Co., Cons. Engr., 502 Gumble Bldg., Kansas City, Mo.

Okla., Mangum—City, John Tomme, Mgr., may pave streets in residence section; Benham Engineering Co., Cons. Engrs., 502 Gumble Bldg., Kansas City, Mo.

Okla., Poteau—State Highway Dept., Oklahoma City, plans road from Poteau to Howe. See Financial News—Bond Issues Proposed.

S. C., Greenville—State Highway Dept., Columbia, receives bids Mar. 5 for 1.25 mi. grading, drainage and 13,200 sq. yd. plain

concrete pavement, State Route No. 21, Travelers Rest to intersection Tigerville road; plans from State Highway Engr.; Samuel McGowan, Ch. Highway Commr.

S. C., Spartanburg—City, Ben Hill Brown, Mayor, plans resurfacing North and South Church and East Main Sts.

Tenn., Decatur—Meigs County Commr. plan building and probably graveling about 16 mi. road, Decatur to Roane County line.

Tenn., Fountain City—City plans paving sidewalks and gutters. Address City Clk.

Tenn., Greeneville—Greene County Comms. plan letting contracts in March for 2 sections Andrew Jackson Highway: Surface Greeneville to Limestone, cost \$80,000; grade, drain and bridge, Greenville to Bulls Gap, cost \$90,000.

Tenn., Jacksboro—Campbell County and State Dept. of Highways and Public Works, Nashville, plans 19 mi. highway between LaFollette and Jellico; W. F. Webster, Div. Engr., Knoxville.

Tenn., Springfield—Robertson County and State Dept. of Highway and Public Works, Nashville, plan 7 mi. bituminous macadam surface Springfield-Adams road.

Texas—State Highway Dept., Hal Moseley, Chmn., Austin, receives bids Mar. 5 for bituminous resurfacing on 19 roads, totaling 294 mi.: Red River County, Highway No. 5; Bowie County, Highways Nos. 1, 8, 5; Cass County, Highway No. 8; Titus County, Highway No. 1; Delta County, Highway No. 39; Collin County, Highway No. 78; Denton County, Highways Nos. 10 and 40; Wise County, Highway No. 2; Franklin County, Highway No. 1; Williamson County, Highways Nos. 2-A, 29, 43 and 74; Bell County, Highway No. 2; Milam County, Highway No. 44; Henderson County, Highway No. 19; Angelina County, Highway No. 41; plans on file; W. P. Kemper, Acting State Highway Engr.

Texas—State Highway Dept., Hal Moseley, Chmn., Austin, receives bids in about 10 days to grade, bridge and gravel-surface 2 roads: Parker County, 5.47 mi. State Highway No. 10, Cresson to Parker County line, estimated cost \$76,000; Johnson County, 1.70 mi. State Highway No. 10, between Hood County line and Parker County line, estimated cost \$18,000.

Texas—State Highway Comm., Hal Moseley, Chmn., Austin, receives bids Mar. 5 to resurface 8 roads, totaling 117 mi.: Johnson County, Highway No. 68; Hood County, Highway No. 10; Bosque County, Highways Nos. 67 and 89; McLennan County, Highways Nos. 67 and 2; Hill County, Highway No. 31; Somervell County, Highway No. 68; W. P. Kemper, Acting State Highway Engr.

Tex., Austin—City, Henry Harris, Engr., plans expending about \$43,000 for 11 blocks street paving, including Sixth and Tenth.

Tex., Brownsville—Cameron County, Oscar C. Dancy, County Judge, receives bids soon to grade and bridge 24.412 mi. State Highway No. 100, Point Isabel to connect with Highway No. 12, estimated cost \$68,000; W. O. Washington, County Engr.

Tex., Coleman—State Highway Comm., Hal Moseley, Chmn., Austin, receives bids Mar. 16 to grade, bridge and bituminous macadam surface 1.036 mi. State Highway No. 23, through Coleman, approximate cost \$20,000; W. P. Kemper, State Highway Engr.

Tex., Crockett—State Highway Comm., Hal Moseley, Chmn., Austin, receives bids Mar. 30 for 2 roads: 7.068 mi. grading and bridges, State Highway No. 19, Crockett, north to Road Dist. No. 9, estimated cost \$51,300; 9.122 mi. grading and bridges, State Highway No. 19, Road Dist. No. 16 to Sta. 483 plus 00; plans from W. P. Kemper, State Highway Engr., and F. J. Von Zuben, Houston County Engr.

Tex., Dallas—City, R. A. Wylie, Street Commr., plans widening Cadiz St. to 80 ft., Akard to Lamar St., and build underpass at Cotton Belt Crossing.

Tex., Dallas—City, Maj. E. A. Wood, City Plan Engr., plans widening Bryan St., 50 to 70 ft., Pacific Ave. to Cantegrel St.

Tex., Del Rio—Val Verde County, W. F. Littleton, Judge, receives bids Mar. 5 to grade and bridge .104 mi. Highway No. 85, 20,379 lbs. reinforcing steel.*

Tex., Denison—City, G. R. Gresham, Sec., plans street paving, cost \$50,000; C. E. Hayden, Engr. See Financial News—Bond Issues Proposed.

Tex., Ferris—City, M. McCall, Mayor, plans 3½ mi. street paving in business and residence sections; Kock & Fowler, Engrs., Central Bank Bldg., Dallas.*

Tex., Fort Worth—City, O. E. Carr, Mgr., plans widening W. Seventh St.

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Tex., George West—Live Oak County, E. L. Riser, Judge, plans 7-mi. Laredo-Houston highway, Ray Point to Three Rivers. See Financial News—Bond Issues Proposed.

Tex., Giddings—Lee County, Wm. O. Bowser, Jr., County Judge, plan 10 mi. grading and bridges, Taylor-Lexington Highway, estimated cost \$30,000; Mark Swain, Div. Engr., Caldwell.

Tex., Georgetown—State Highway Comm., Austin, appropriated additional \$17,000 toward Austin to Burnet Highway, via Jolleyville.

Tex., Henrietta—Clay County Commrs. receive bids March 8 for 2 roads: 14.03 mi. reinforced concrete, Highway No. 5, estimated cost \$600,000; 19.49 mi. concrete, Federal Aid Project No. 449, A & B, estimated cost \$700,000; D. M. Puckett, County Engr.; W. P. Kemper, State Highway Engr., Austin.

Tex., Huntsville—Walker County, A. T. McKinney, County Judge, receives bids March 30 to grade and bridge 17.273 mi., State Highway No. 45, west from Huntsville; D. K. Caldwell, County Engr.*

Tex., Jasper—Jasper County, E. A. Scale, Judge, receives bids soon for 12½ mi. surfacing State Highway No. 62, Buna to Newton County line, estimated cost \$100,000; C. O. Hunter, Engr.

Tex., Jourdanton—City plans street paving, cost \$40,000. Address City Clerk. See Financial News—Bond Issues Proposed.

Tex., Karnes City—Karnes County, D. O. Klingeman, County Judge, plans 9.07 mi. waterbound macadam base and 2-course limestone rock asphalt surfacing on State Highway No. 16, Corpus Christi Road, through Road Dist. No. 3, estimated cost \$130,700; O. N. Powell, County Engr.

Tex., Kaufman—State Highway Comm., Hal Moseley, Chmn., Austin, receives bids Mar. 16 for 10.79 mi. 9-ft. concrete pavement, State Highway No. 40, Kaufman County, between Brushy Creek and Dallas County line, 32,899 sq. yd. 1:2.3½ mix concrete; plans on file and from S. J. Treadway, County Engr., Terrell; W. P. Kemper, Acting State Highway Engr.

Tex., San Antonio—Bexar County, Augustus McCloskey, County Judge, plans re-graveling and topping Scenic Loop road; Leo Ehlinger, County Maintenance Engr.

Tex., San Antonio—State Highway Dept., Hal Moseley, Chmn., Austin, receives bids March 8 for 1 mi. Highway No. 2, Garaty Road, Bexar County, 10,560 sq. yd. ½-in. rock asphalt top; plans on file and from A. A. Ririe, Div. Engr., San Antonio.

Tex., Seguin—Guadalupe County, J. B. Williams, County Judge, plans 17.05 mi. grading, bridges, reinforced concrete culverts and gravel surfacing Highway No. 3, city limits of Seguin, on Kingsbury St. to San Marcos River at Caldwell County line, estimated cost \$105,800; H. J. Caulfield, Engr.

Va., Martinsville—City, G. A. Brown, Mayor, plans street improvement, cost \$60,000. See Financial News—Bond Issues Proposed.*

Va., Norfolk—State Highway Comm., Richmond, may widen Virginia Beach Blvd. by 4½-ft. concrete shoulder, costing \$132,000; also contemplates bridge over Lynnhaven Inlet, cost \$100,000.

Va., Princess Anne—Princess Anne County contemplates improving 3 roads: Pungo Dist.; Seaboard Dist.; road from Bell's corner to intersection State Highway at Princess Anne Courthouse. Address County Commrs. See Financial News—Bond Issues Proposed.

Va., Richmond—City, R. Keith Compton, Director of Public Works, receives bids soon to grade River Hills tract at south end of Boulevard Bridge; cost \$10,000; improve Coliseum Alley; estimated cost \$25,000.

Va., Rocky Mount—Franklin County Board of Supvrs. plans 2 roads: From Wirtz to National Highway No. 33; from Burnt Chimney to old National Highway via Windy Gap; \$20,000 each allocated; T. W. Carper, County Clerk.

W. Va., Charleston—Kanawha County Court, R. N. Moulton, Clk., receives bids March 15 for 3 roads: 1.10 mi., 16 ft., concrete Ruffner Hollow; .56 mi. grading, paving with 14 ft. concrete, Sugar Creek; .75 mi. grading, 14 ft. penetration macadam and concrete Wilson Hollow; plans on file and from County Road Engr.

W. Va., Chesapeake—Town, James John Paul, Mayor, plans expending about \$47,000 for street and sidewalk improvement.

W. Va., Fairmont—Marion County Commrs. plan improving 3½-mi. Fairmont-Grafton pike, between Williams Crossroads and Taylor County line, Union Dist., cost \$100,000. See Financial News—Bond Issues Proposed.

W. Va., Harrisville—State Road Comm., Charleston, and Ritchie County Court, J. N. Shrapnack, Clk., receive bids March 11 to grade and drain sections State Route No. 16, between Main St., Harrisville, and Calhoun County line, including 1 mi. between Ritchie and Calhoun Counties; plans on file and from Div. Engr., Parkersburg.

W. Va., Huntington—Cabell County Commrs. receive bids soon for 5 roads: 1 mi. from Sixteenth St. road, near Pattons School up Four Pole to Ward's Mt. Union; 1 mi. from Cook's store on Long Branch road; 2½ mi., Long Branch road, near Preston Sanser's home to Wayne County line, on Price's Creek; ¾ mi. on McCoy road to Wayne line; 1 mi. Norway Ave. to Sixteenth St. road.

W. Va., Huntington—City Commrs. contemplate opening Madison, Jackson and Monroe Sts., etc.

W. Va., Welch—McDowell County Court plans building 6 mi. Welch-Pineville Road. Address County Commrs.

W. Va., Winfield—State Road Comm., Charleston, and Putnam County Court, J. M. Henson, Clk., receive bids Mar. 15 to grade 2 roads: 3.32 mi. and 3.11 mi.; plans on file, and from Div. Engr., H. J. Spelman, Huntington, or County Clk., Winfield.

Contracts Awarded

Ala., Auburn—City Comm. let contract to Couch Construction Co., Dothan, at about \$56,000 to pave with concrete 10 blocks of streets, including Opelika, Magnolia, Gay.

Ala., Birmingham—City Comm. let contracts at \$257,514 to pave 15 streets with sheet asphalt, bitulithic, asphaltic concrete and concrete paving: Dunn Construction Co., Chamber of Commerce Bldg.; Independent Paving Co., American Trust Bldg.; Federal Asphalt Paving Co.; Wood-Rucker Construction Co.; Morgan-Hill Paving Co., Woodward Bldg.; H. N. Bowdry, Farley Bldg.

Ark., Warren—City let contract to Cook & Ransome Construction Co., Ottawa, Kan., for street paving.

Fla., Boynton—Town Comm. let contract to F. H. Bessellein, Inc., Delray, for sidewalks on Dixie Highway.

Fla., Fernandina—Nassau County Commrs. let contract to McMahon Construction Co., Rochester, Ind., at \$400,000, for 2 roads, totaling about 12 mi. concrete: 18-ft. Fernandina-Yulee; 20-ft. Fernandina-Amelia Beach; to Austin Bros. Bridge Co., Mickleberry St., Atlanta, at \$50,000, for 320-ft. steel and concrete lift bridge across Amelia River.*

Tex., Houston—Harris County Commrs. let contract to J. M. Griswold, Polk Ave. and Santa Fe Ry., Houston, at \$13,412, to resurface Crosby-Lynchburg and Lynchburg-Baytown roads.

Fla., Key West—Monroe County Commrs. let contract to S. J. Groves Sons Co., Minneapolis, Minn., at \$875,000 for 14.5 mi. 16-ft. Oversea Highway along Florida Keys, native coral rock, oil surface.*

Fla., Pensacola—City Commrs. let contract to Southern Clay Manufacturing Co., Volunteer State Life Bldg., Chattanooga, Tenn., at \$52,000, for 16,000 sq. yd. brick and concrete paving; Noonan-Lawrence, Pensacola, at \$100,000, for 44,000 sq. yd. concrete paving and curbing.

Georgia—State Highway Dept., East Point, let contracts for 6 roads and 5 bridges: Emanuel County, 5 mi. sand and clay, between Lyons and Swainsboro, J. R. and J. B. Miller, Baconton, \$34,838; Troup County, 5.9 mi. concrete, Atlanta-Westpoint road, J. B. McCrary Engineering Corp., Atlanta, \$140,981; Habersham County, 2.4 mi. top soil, Gainesville-Baldwin, M. R. Woodall Co., Walton Bldg., Atlanta, \$24,387; Madison County, 5.2 mi. top soil Royston-Danielsville, W. C. McCoy Construction Co., LaFayette, Ala., \$27,855; 3.9 mi. concrete Royston-Hartwell, Campbell Construction Co., Georgia Home Bldg., Columbus, \$123,930; Jefferson County, 13.1 mi. concrete, Louisville-Wrens, J. R. & J. B. Miller, \$305,108; Telfair and Jeff Davis Counties, 2.2 mi. surface treatment and permanent surfacing on bridges, between Hazlehurst and Lumber City, Hardaway Contracting Co., Columbus, \$19,670; Bryan County, part of Atlantic Coastal Highway, as approach fills to proposed overhead crossing near Ways, Gibson Construction Co., Savannah, \$24,026; Toombs and Appling Counties, 3 bridges on Lyons-Baxley Highway, Hardaway Contracting Co., \$195,263.

Mo., Kansas City—City let contract to John Pilarski, 6032 Tracy Ave., to curb mall, and to Hyman Spitaufsky to pave mall south of Liberty Memorial.*

Mo., Springfield—City let contracts to H.

Proserpi, 1220 N. Campbell St.; A. T. Tracy, 1943 N. Pickwick St., and F. X. Baron, 405 W. Lynn St., for sidewalks.

N. C., Charlotte—City Commrs., Edgar Reed, Clk., let contract to E. H. France, 310 Oglethorpe St., Macon, Ga., at \$55,000, for 100,000 lba. ft. granite curb.*

N. C., Charlotte—City Commrs. let contract to Caldwell Construction Co., S. Brevard St., Charlotte, at about \$60,000, for 200,000 sq. yd. street paving.*

N. C., Winston-Salem—Board of Aldermen let contract to Powell Paving & Construction Co., Wachovia Bank & Trust Bldg., to pave with sheet asphalt Holton St., Arcadia to Hollyrood, and Hollyrood, Holton to city limits; to Atlantic Bitulithic Co. to grade 25th St., Druid's Hill Drive to Cherry St.

Okla., Frederick—City, Bruce Wright, Clk., let contract to Western Paving Co., Trades Nat'l Bank Bldg., Oklahoma City, to pave streets in residence section with Warrenite bitulithic: Street Improvement Dist. No. 7, \$20,848; No. 8, \$38,797; No. 9, \$35,29; Benham Engineering Co., Conslt. Engrs., 502 Gumble Bldg., Kansas City, Mo.*

Okla., Guthrie—State Highway Comm., Oklahoma City, let contract to Tom L. Green, 519½ W. Main St., Oklahoma City, \$211,000, for 11 mi. concrete road, Logan County, Oklahoma County line to Guthrie.

S. C., Anderson—Anderson County Commrs. let contract to S. G. Murdock, Anderson, at \$10,000, to grade and sand-clay surface 3.75 mi. 30-ft. road, Pelzar, toward Piercetown.*

S. C., Marion—City let contract to Pritchard-Raines-Hazlehurst Construction Co., Savannah Bank & Trust Co. Bldg., Savannah, Ga., for paving and sidewalks.

Tex., El Paso—El Paso County Court let contract to El Paso Bitulithic Co., 160 N. Piedras St., at \$53,279, to widen to 52 ft., improve and lay curb and gutter on Alameda Ave.

Tex., Groesbeck—Trinity County, Fred J. Perry, Judge, let contract for 2 rock asphalt roads, totaling 7½ mi.: Shiloh and Pershing road to Confederate reunion grounds, Brammer & Wilder, Houston, at \$176,910.*

Tex., San Antonio—City, John W. Tobin, Mayor, let contracts at \$52,900 to pave 11 streets; Southwestern Bitulithic, 711 Gunter Bldg.; Alamo Paving Co., 321 Dawson St.; Uvalde Rock Asphalt Co., Frost Nat'l Bank Bldg.

Tex., Sweetwater—City, John J. Ford, Mayor, let contract to E. C. O'Neal, Sweetwater, at \$17,000, for about 1 mi. macadam street paving.*

Tex., Wichita Falls—City let contracts at about \$100,000 for Warrenite bitulithic, concrete, Willite and reinforced concrete paving on 6 streets: West Texas Construction Co., Plains Paving Co., Staley Bldg.; L. E. Whitman & Co., Morgan Bldg., all Wichita Falls.

Virginia—State Highway Dept., Richmond, let contracts for applying bituminous material on state system roads and 3 state aid system roads: Staunton Dis., Earle Lansdale Co.; Bristol Dist., Edward P. Pendleton, 16 S. Calverton Rd., Baltimore, Md., \$12,430; Salem Dist., Standard Asphalt Co.; State Aid, Bristol Dist., Edward P. Pendleton, \$8,728; Salem Dist., Standard Asphalt Co.; Staunton Dist., Edward P. Pendleton, \$5,010.

Sewer Construction

Large sums are being expended for sewage facilities in connection with Land Development operations. Details will be found under that classification.

Ala., Albany—City Council passed ordinance providing for construction of sewers in Benevolent Hospital district.*

Ala., Phenix City—City, W. N. Daniels, Clk., receives bids March 15 for installing storm and sanitary sewer. (See Machinery Wanted—Sewer System.)

D. C., Washington—Washington Suburban Sanitary Commn., Evans Bldg., receives bids March 26 for sewer and water mains. (See Machinery Wanted—Water Main and Sewers.)

Fla., Avon Park—City will install sewer system. See Financial News—Bond Issues Proposed.

Fla., Brooksville—City, Charles M. Price, Mayor, will construct sewers. See Financial News—Bond Issues Proposed.

Fla., Hastings—City contemplates installing sewer system. Address The Mayor.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Port Orange—See Water Works.
Ga., Macon—Murphy, Taylor & Ellis, 470 Cherry St., developers of Stanislaus subdivision, will install city sewer system.

Ga., Waycross—City contemplates sewer and water improvements. Address City Mgr.

La., Bossier City—Town, Tom Hickman, Mayor, receives bids March 9 for storm sewers; E. T. Archer & Co., Consult. Engrs., Kansas City. (See Machinery Wanted—Storm Sewers.)

Miss., Winona—City, J. Q. Staples, Mayor, receives bids April 16 for storm sewers, sanitary sewers and excavation; Massena L. Culley, Consult. Engr., New First National Bank Bldg., Jackson.

N. C., Charlotte—City Commrs. retained W. M. Platt, Consult. Engr., First National Bank Bldg., Durham, to supervise construction of Westside sewage disposal plant.*

N. C., Charlotte—City Commrs. receive bids March 10 for sewer construction. (See Machinery Wanted—Sewers, etc.).

N. C., LaGrange—City will install sewers. See Financial News—Bond Issues Proposed.

Okla., Frederick—See Water Works.

Okla., Tulsa—City let contract to Foster & Roach Co. for sewer in Strobel and Dickason Goodman additions.

S. C., Marion—Pritchard - Raines - Hazelhurst Construction Co., Savannah Bank & Trust Bldg., Savannah, Ga., has contract for sewers.

S. C., York—See Water Works.

Tenn., Chattanooga—City, W. S. Beck, Mayor, will expend \$100,000 for sewer.

Tex., Conroe—Foragard & Davis, Consult. Engr., have contract for sewer.

Tex., Groveton—City opens bids March 10 for sewer and water system. Address The Mayor.

Tex., Lampasas—City, W. D. Francis, Mayor, will probably grant franchise to Municipal Engineering Co., 1107 Athletic Bldg., Dallas, to install sewer system.

Tex., Nacogdoches—City will install water works. See Financial News—Bond Issues Proposed.

Tex., Nederland—See Water Works.

Tex., Runge—City, A. C. Nason, Mayor, will construct sewer system. See Financial News—Bond Issues Proposed.

Tex., San Antonio—P. A. Garvin has contract for storm sewer on Ripley and Hulsache Aves.; T. Ewig, Engr.*

Va., Richmond—City, R. Keith Compton, Director Public Works, receives bids March 5 for sewer system in Seminole Ave., Laburnum Ave., etc. (See Machinery Wanted—Sewer Construction.)

Telephone Systems

Fla., Tampa—Peninsular Telephone Co., W. G. Borein, Pres., let contract to G. A. Miller, Petteway Bldg., Tampa, for 12-story, extension to exchange building on Morgan St., 50x100 ft., steel and reinforced concrete, buff brick and terra cotta trimmings; estimated cost \$450,000.*

La., New Orleans—Cumberland Telephone & Telegraph Co., main office Atlanta, Ga., let contract to Gervais E. Favrot, Balter Bldg., for both Franklin and Galvez exchange buildings, 2-story, brick structures; Mayre, Alger & Alger, Architects, Walton Bldg., Atlanta, Ga.*

Tex., Stamford—Southwestern Bell Telephone Co., main office St. Louis, Mo., let contract to J. Dyer, Shreveport, La., for \$15,000 telephone building, cottage type, brick veneer; I. R. Timlin, Archt., Boatmen's Bank Bldg., St. Louis, Mo.* (Supersedes recent item.)

Va., Whitacre—Citizens' Telephone Co. of Frederick County, Va., organized; R. L. Omph, Elmer Patterson.

Textile Mills

Ala., Gadsden—Sauquoit Spinning Co., Utica, New York, will move machinery and build new 20,000 spindle mill.

Ala., Mobile—Mobile Cotton Mills, Luther Knowles, Mgr., reported to expend \$20,000 for machinery.

Ala., Roanoke—Skennandoa Cotton Co., Utica, N. Y., reported to establish yarn mill of 11,400 spindles.

Ark., Little Rock—Little Rock Cotton Mill Co., J. R. Alexander, Pres., Scott, Ark.; H. L. Remmel, V. P., 1622 Center St., acquired 10 acre site and building; install machinery to manufacture belting duck.

Ga., Columbus—Muscogee Manufacturing Co., Front St., lately noted awarding contract to Batson-Cook Co., West Point, Ga., for

\$500,000 addition to plant, will install sprinkling equipment, heating equipment, electric wiring equipment. (See Machinery Wanted—Sprinkler Equipment; Heating Equipment; Electric Wiring.)

Ga., Waycross—Cartersville Knitting Mills, Inc., Cartersville, reported to establish knitting mill; J. F. Fowler, Mgr.-Treas., advises Waycross is trying to induce one of the Eastern mills to locate here; at present there is nothing definite to report.

N. C., Asheboro—Pennsylvania Textile Mills, Inc., Central Falls, W. S. Trickett, Mgr., reported to construct \$50,000 plant addition.

N. C., Glen Alpine—Glen Alpine Knitting Mills, Inc., N. O. Pitts, Pres., reported to install finishing plant.*

S. C., Gaffney—Vogue Mills, capital \$100,000, incorporated; Waite C. Hamrick and W. B. Fullerton, 58 Beach Rd., Inglewood, N. J.

S. C., Anderson—Appleton Mfg. Co., Hugh F. Little, Gen. Mgr., previously noted having acquired Brogon Mills, reported to expend \$300,000 during 1928 for improvements to plant.*

S. C., Greenville—Southern Bleachery, Inc., Taylors, S. C., will issue \$500,000 in 7 per cent gold notes.

Tenn., Jackson—Priester Hosiery Mills, Chester and Market Sts., B. J. Priester, Pres., will probably sell present plant and erect small plant for manufacture of silk stockings.

Tenn., Nashville—Washington Hosiery Mills, F. W. Washington, Pres., 1400 Clinton St., increased capital, \$100,000 to \$200,000; erect addition to hosiery plant, increase output to 1500 pairs daily.

Tex., Cuero—P. M. Keller, Belton; J. S. Perry, Temple, reported to soon begin erection of Cuero Cotton Mills.

Tex., Yoakum—Paul Gentile & Brother, Utica, N. Y., reported interested in establishing knitting mill for bathing suits and sweaters.

Va., Lawrenceville—Business Men's Assn. reported interested in establishment of mill; install 50 looms; cost \$75,000.

W. Va., Princeton—Princeton Hosiery Mill, L. G. Bowling, Pres., reported to install additional machinery.

Water Works

Large sums are being expended for water-works in connection with Land Development operations. Details will be found under that classification.

Ala., Opelika—City, H. K. Dickinson, Mayor, receives bids March 11 for water works improvements. (See Machinery Wanted—Water Works.)

D. C., Washington—Washington Suburban Sanitary Comsn., Evans Bldg., receives bids March 26 for constructing sewer and water mains. (See Machinery Wanted—Water Mains and Sewers.)

Fla., Fort Lauderdale—Parlor City Construction Co., Binghamton, N. Y., lowest bidder for supplementary water works pumping station.*

Fla., Lake Worth—City, F. F. Boyd, Consult. Engr., will extend water mains, erect 300,000-gal. water tank; expend \$50,000.

Fla., Port Orange—City contemplates installing water and sewer line connections; N. A. Hotard, Engr., New Smyrna.

Fla., St. Petersburg—Water Comsn., E. T. Lewis, Chrmn., has option on 561 acres land for possible site for reservoir.

Ga., Waycross—See Sewer Construction.

Miss., Webb—Henry A. Mentz, Consult. Engrs., Hammond, La., engaged as consulting engineer for water works system.

Miss., Winona—City, J. Q. Staples, Mayor, receives bids April 16 for water mains; Massena L. Culley, Consult. Engr., New First National Bank Bldg., Jackson.

Mo., Crane—V. E. Gipson has contract for concrete piers and foundations for water, tank and tower.*

Mo., Republic—City contemplates installing water works; W. M. Barron, Mayor.

Mo., St. Louis—City let contract to McCormack-Combs Construction Co., 802 Columbus Bldg., for filter plant of 80,000,000 gals. capacity, cost \$720,000; will install settling basins, clear water basins, etc.*

N. C., Asheboro—City let contract to Burrow & Lamb for raising dam at city water pond No. 2.

N. C., Liberty—Town considering installing water works; Spoon & Lewis, Consult. Engrs.

Okla., Altus—City, L. L. Smith, Water Supt., is having plans prepared for water improvements consisting of new supply in Wichita Mountains at Lugert and water main extensions in city; will soon call for bids, construction to begin in June; Benham Engineering Co., Consult. Engrs., Kansas City, Mo.*

Okla., Blair—Town will soon call election to vote on bonds for water works system to connect with Altus water supply. Address Town Trustees.

Okla., El Dorado—Board of Trustees retained Benham Engineering Co., Consult. Engrs., 512 Gumbel Bldg., Kansas City, Mo., on water works and paving improvements.

Okla., Frederick—City let contract to Gallamore Construction Co., Cushing, at \$46,565 for 1,000,000-gal. reinforced concrete circular reservoir and storm sewers; Benham Engineering Co., Consult. Engrs., 512 Gumbel Bldg., Kansas City, Mo.

Okla., Spiro—City will construct \$40,000 addition to water works; Gantt-Baker Co., Engrs., 1116 W. Main St., Oklahoma City.

S. C., Charleston—Commrs. of Public Works will replace wood pipe with cement lined cast iron pipe; cost \$25,000; J. E. Gibson, Engr.

S. C., York—City contemplates improvements to water and sewer system; \$150,000 available. Address The Mayor.

S. C., Greenville—Mountain View Hill Crest Water Co., incorporated; R. Brandt, 15 Mulard St.; lay 3600 ft. 6-in. pipe line.

Tenn., Knoxville—City let the following contracts for water works improvements: To J. M. Dunn & Son, Broadway and Depot, Knoxville, at \$585,000 for construction of four major units, including pump station and filter plant building, tunnel and intake tower, coagulating basins and 10,000,000-gal. reservoir; to Babcock & Wilcox, 85 Liberty St., New York, at \$35,416 for boilers and at \$4377 for super-heater; to Buford, Smith & Hall, at \$13,650 for stokers, \$3411 for ash hopper, \$4885 for heater, at \$5049 for feed pump; to Columbus Conveyor Co., Columbus, O., for weigh larry; to M. L. Bayard & Co., 20th and Indiana Sts., Philadelphia, Pa., at \$67,500 for filter equipment; Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., for wash water tank; Ludlow Valve Mfg. Co., Troy, at \$15,084 for gate valves for pumping station, and at \$2470 for check valves; to Michigan Valve Co., at \$7850 for sluice gates; U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J., at \$67,388 for pipe and fittings unit for pump station; Simplex Valve & Meter Co., 110 N. Broad St., Philadelphia, at \$4785 for station meters; Tennessee Armature & Motor Co., 211 W. Cumberland Ave., for switchboard; Warner Service Co., both Knoxville, for power wiring; Michigan Valve & Foundry Co., 3631 Parkinson St., Detroit, Mich., at \$14,500 for valves and check valves. Following are low bidders: Maris Bros., Philadelphia, Pa., for traveling crane, \$4230; Milwaukee Electric Crane & Mfg. Co., 5815 Greenfield Ave., Milwaukee, Wis., for gantry crane, \$12,000; Buford, Hall & Smith, Atlanta, Ga., for high lift and low lift pumps, turbo generator and wash pump, \$120,522; U. S. Cast Iron Pipe & Foundry Co., at \$439,000 for cast iron pipe and fittings; Alvord, Burdick & Howson, Engrs., Suite 1417 Hartford Bldg., Chicago, Ill.; bids for laying 30-inch main, 12,900 ft., and 24-inch main, 34,000 ft., will be opened Mar. 15.*

Tex., Abilene—City, O. K. Hobbs, Engr., receives bids March 12 for construction of 500,000 gal. elevated water tank.

Tex., Floresville—City will make water works improvements; Fred E. Hess, Dallas, Consult. Engr.

Tex., Groveton—City opens bids March 10 for construction of water and sewer system.

Tex., Greenville—City, Mord C. Hale, Clk., receives bids March 17 for constructing complete cast-iron water main. (See Machinery Wanted—Water Works.)

Tex., Houston—City, O. F. Holcombe, Mayor, will install water works. See Financial News—Bond Issues Proposed.

Tex., Nacogdoches—City will install sewers. See Financial News—Bond Issues Proposed.

Tex., Nederland—Chamber of Commerce and Peoples Gas Co., Port Arthur, reported interested in installation of water and sewer systems at Port Neches and Nederland.

Va., Martinsville—Town considering water works improvements. See Financial News—Bond Issues Proposed.

W. Va., Charles Town—Ranson Water Co., incorporated; D. S. Hughes, Leroy Baker, operate water works at Ranson and Charles Town.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Woodworking Plants

Fla., Daytona Beach—Millwork—Halifax Building Supply Co., Hollywood and Fifth Ave., building 98x600-ft. building with storage shed and warehouses; steel and wood, corrugated iron roof, estimated cost \$20,000; construction by owners; install new moulder, resaw and sander. (See Machinery Wanted—Woodworking Machinery.)

Fla., Punta Gorda—See Miscellaneous Enterprises.

Fla., Sarasota—Terminal Sash & Door Co., capital \$100,000, incorporated; G. B. Knowles, D. C. Williams.

Ga., Raymond—H. A. Butner contemplates establishing heading mill.

Ga., Raymond—Brown Veneer Plant, Robert A. Brown, has plant ready for operation.

Ky., Louisville—Louisville Chair & Furniture Co., 625 E. Market St., increased capital, \$50,000 to \$150,000; acquired building on Elmont St. for manufacturing purposes; increasing output; has machinery.

La., New Orleans—Wagons—See Motor Cars, Garages and Filling Stations.

Miss., Hattiesburg—Hattiesburg Wood Products Co., capital \$25,000, incorporated; A. T. McCurdie, W. D. Blackburn.

N. C., Lenoir—The Lenoir Furniture Corp., R. S. Crisp, Sec., building addition to plant, increasing floor space by 9000 sq. ft.

N. C., Lenoir—Millwork, etc.—Piedmont Building Supply Co., Highland St., Hickory, erect 60x112-ft., 40x80-ft. and 20x80-ft. buildings, mill type, composition roof; labor furnished by Poe-Triplett Construction Co.; materials furnished by company; will install planer, inside moulder, cut-off saw, tenoner, shaper and mortiser. (See Machinery Wanted—Woodworking Machinery.)

N. C., Rose Hill—Wood Products—Tart Manufacturing Co., capital \$25,000, incorporated; C. C. Tart, Jesse Fussell.

N. C., Wilmington—Yemassee Lumber Co. of Yemassee, S. C., erect \$10,000 plant to manufacture barrel staves.

Tex., Houston—Furniture—Myers Spalti Manufacturing Co., 2118 Runnels St., increased capital, \$750,000 to \$1,000,000.

Va., Martinsville—R. P. Gravely, Morgan Simmons and associates of Danville organized \$200,000 company to manufacture novelty furniture.

Va., Martinsville—American Furniture Co., Inc., A. D. Witten, Pres., increased capital, \$1,000,000 to \$2,000,000.*

FIRE DAMAGE

Ala., Anderson—Bell Drug Co. building, 8 other stores and garage; loss \$50,000.

Ala., Carbon Hill—Negro school building; loss \$10,000; J. Alex. Moore, Supt. Walker Parish School Board, Jasper.

Ark., Blytheville—First Methodist Church Main St. and Seventh Ave., Rev. John Sherman, Pastor; loss \$40,000.

Ark., Little Rock—Two seed bins, plant of Buckeye Cotton Oil Co., North Little Rock; loss \$100,000.

Fla., Gainesville—Durst Iron Works and adjoining buildings; loss \$50,000.

Fla., Jacksonville—Fenole Chemical Co.'s plant at 451 Riverside Ave.; W. R. Powell, plant Mgr.

Fla., Orlando—Orlando Potteries, Apopka Rd.; loss \$100,000.

Ky., Berea—Berea College broom factory, loss \$25,000; H. J. Christopher, Supt.

Ky., Bondurant—Sawmill owned by D. S. Watrous, Hickman, Ky.; loss \$45,000.

Ky., Henderson—Miller Motor Co.'s building on Ingram St., loss \$50,000; structure owned by John Delker.

Ky., Salem—H. G. Maddix store, W. H. Higgins & Sons' grocery, Masonic Hall, 3 buildings not occupied; loss \$40,000.

Ky., Sayersville—Residences of W. J. Patrick, Virgil Higgins, J. C. Conley, Dale Suttler and Jas. Arnett; loss \$25,000.

Md., Baltimore—Anthracite Fuel Corp.'s plant at Elghth St. and Falt Ave.; loss \$150,000.

Miss., Tupelo—Tupelo Welding Co.'s plant at Magazine St.

Mo., Maryville—Nodaway County Infirmary; loss \$35,000.

Mo., St. Louis—Arnold Hotel, loss \$100,000; address the Proprietor.

N. C., Liberty—Plants of Liberty Chair Co. and Staley Lumber Co.; loss \$200,000.

N. C., Spencer—Baptist Church; loss about \$20,000.

S. C., Darlington—Two stores owned by Estate of Laura James.

S. C., Summerton—Shald Department Store, Hinson Hardware Store and other buildings; loss \$100,000.

Tenn., Cleveland—Charles School building, loss \$25,000. Address Board of Education.

Tenn., Knoxville—Portion of building of Auton Motor Parts Co., 735 N. Central St.

Tenn., Rogersville—Boys dormitory of Swift Memorial College; address the President.

Tenn., Scotts Hill—Stores of Joe. W. Holmes, Turner & Durbin and E. L. Kennedy & Son; John L. Helms' barber shop; loss \$20,000.

Tenn., Scotts Hill—J. W. Holmes, soda fountain and confections; Turner & Durbin store, E. L. Kennedy store.

Tex., Bonita—Buildings of J. A. Parsons and W. R. Dicks, J. L. Hicks' store, post-office; loss \$10,000.

Tex., Dallas—Apartment house at 615 N. Comal St., Oak Cliff, owned by Mrs. L. A. Shepherd; loss \$15,000.

Tex., Houston—Houston Sash & Door Co.'s plant at 801 McKee St.; loss \$150,000.

Tex., Meadow—Meadow Cotton Gin Co.'s plant; loss \$20,000.

Tex., Medicine Mound—West Texas Gin Co.'s plant.

Tex., Mesquite—T. A. Riggs Mercantile store and Dr. L. A. Anderson's drug store at New Hope, near Mesquite; loss \$10,000.

Tex., Thornton—Star Theater building. Address The Manager.

Tex., Tyler—Warehouses of Cities Service Oil Co. and Magnolia Oil Co.

Va., Advance Mills—J. M. Fray & Co.'s sumac grinding mill.

Va., Chatham—Collie Bldg., containing post office (address The Postmaster) and hotel.

Va., Schoolfield (Br. of Danville)—James Anderson's store, John Patton's storehouse, dwellings of J. M. Eller, Peerman and Fuller; loss \$15,000.

Va., Smithfield—W. A. Adams' fruit store, Parker & Cofer Motor Co., W. H. Briggs Grocery Co., Mrs. J. J. Thomas' millinery store; loss \$50,000.

W. Va., Wheeling—C. H. Yager's residence, 128 S. Huron St.; Glenwood Coal Co., Wheeling Bank & Trust Bldg., tippie near Leatherwood.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ala., Gadsden—Etowah County Masonic Club, D. C. Springfield, Pres., plans to improve old Elliott Park for lodge quarters and recreation center.

Fla., Daytona Beach—Daytona Shrine Club erect \$50,000 Spanish type hollow tile, artificial stone and stucco building; 2 stories, 50x80 ft., hardwood, tile, linoleum and concrete floors, concrete foundation, built-up roof, interior tile, cast stone; Espedahl & Espedahl, Archts., 116½ Orange Ave.*

Fla., Daytona Beach—Kiwanis Club, Dr. John D. Steely, Chmn., Children's Camp Comm., erect \$10,000 camp.

Fla., DeLand—Benevolent Protective Order of Elks, L. F. Chapman, Chmn., Bldg. Comm., soon let contract for \$30,000 building. Howry and S. Clara Aves.; 2 stories, brick and stone; lodge rooms, 35 living rooms, etc.

Fla., Hollywood—American Legion plans building.

Fla., Lakeland—Central Labor Union receiving tentative plans from architects for Labor Temple, Florida Ave. and Walnut St.; cost about \$80,000; 60x120 ft., 4 stories with foundation for 10 stories, 1 passenger elevator with provision for 2 freight elevators, toilets on each floor, heating arrangements, considering roof garden; 4 or 6 bowling alleys, barber shop, baths and recreation room and kitchen in basement; stores, lobby and 50x60-ft. restaurant on first floor; offices and 25x30-ft. hall on second; main hall, 6 offices, kitchen and possibly small banquet hall on third; hall and anteroom on fourth.*

Fla., Melbourne—American Legion erect 2-story building; DeLoe & Tyler, Archts.

Fla., Sarasota—Young Women's Christian Assn., Mrs. L. M. Vaughan, interested, selected Dwight James Baum, Riverdale-on-Hudson, New York, and Sarasota, as architects for \$100,000 fireproof hollow tile and stucco building.*

Fla., St. Petersburg—Salvation Army soon start work on \$100,000 citadel, Third St., South, near Third Ave.; Spanish type, 4 stories; clinic, Sunday school rooms, etc.; Harry E. Cunningham, Archt., J. Bruce Smith Bldg.*

Fla., Tampa—Ancient and Mystical Order of Rosae Crucis, North American Jurisdiction, Memorial Highway, plans \$3,500,000, 22-story building, Lafayette and Pierce Sts., to contain auditorium with 3 balconies, seating 4000, and broadcasting station; also plans academy of fine arts, astronomical observatory and university; total cost \$13,000,000; Franklin O. Adams, Archt., Citizens Bank Bldg.

Mo., Dexter—Ancient Free and Accepted Masons plan building.

N. C., Charlotte—Oasis Temple, A. A. O. N. M. S., selected White, Streeter & Chamberlain, Gastonia, as architects for \$500,000

temple, E. Morehead St. and Dilworth Rd.; pressed brick or stone; auditorium seat 3000, balconies; A. G. Myers, Pres., Mosque Assn., Gastonia.

Okla., McAlester—American Legion plans to break ground March 1 for \$30,000 brick and concrete building.

Tex., Breckenridge—Benevolent Protective Order of Elks, W. M. Mason, Trustee, erect \$60,000 building; about 3 stories.

Tex., Houston—Lion's Club erect \$50,000 industrial building; J. W. Dehnert, Archt., Kress Bldg., drawing preliminary plans.

Bank and Office

Ala., Anniston—Anniston Building Co., Luther Liles, Pres., receives bids March 25 for reinforced concrete office building, Tenth and Noble Sts.; cost \$500,000; 10 stories, 60x120 ft., concrete foundation, hollow and interior tile, metal doors, steel sash and trim, wire glass, tile, terrazzo, concrete, hardwood, linoleum and rubber tile floors, built-up roof, mail chutes, vault lights, ventilators, marble, limestone, possibly rolling partitions; Warren, Knight & Davis, Archts., 1601 Empire Bldg., Birmingham.*

Fla., Hialeah—Chamber of Commerce, H. A. Hamp, Pres., plans 2-story building.

Fla., Melbourne—Mr. Tubbs erecting \$20,000 office building, 12 New Haven St.; brick and tile, 2 stories, 30x64 ft., tile, cement and wood floors, built-up roof; DeLoe & Tyler, Archts., Flat Iron Bldg.

Fla., Ocala—Fredk. T. Uezzell, Archt., erect office and apartment building, Orange and E. Third Sts.

Ga., Danville—Boyle Bank & Trust Co. plans \$100,000 building.

Ky., Louisville—Marion E. Taylor contemplates office building, Fourth and Jefferson Sts.

Ky., Louisville—Blakemore-Wheeler Interests, care Board of Trade, reported erect 14-story office building; Jefferson and Center Sts.

La., New Orleans—Whitney-Central Trust & Savings Bank receives bids March 15 at office Emile Well, Inc., Archt., Whitney-Central Bldg., for Upper City, Canal, St. Claude and Beaugard branch banks; 1 story, brick, stone trim, fireproof, tile floors, bank fixtures, heating, plumbing, electric wiring; Canal Branch to contain 3 stores in addition to banking quarters; George J. Glover Co., Inc., Whitney Bldg., estimating on Canal Branch; following estimating on other 3 branches: Gervais F. Favrot, Balter Bldg.; Lionel F. Favrot, Louisiana Bldg.; R. P. Farnsworth & Co., Richard McCarthy, both Canal-Commercial Bldg.; W. Horace Williams Co., Inc., 816 Howard Ave.; J. A. Haase, Jr., 916 Union St.; O. M. Gwin Construction Co., Union Indemnity Bldg.*

Miss., Natchez—City Bank & Trust Co. alier and erect addition to 3-story brick

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building for banking quarters; cost about \$50,000, new tile floors, plate glass windows, bank fixtures, safety deposit vaults, heating, plumbing, electric wiring; Weiss & Dreyfous, Archts., Maison Blanche Bldg., New Orleans, La.; plans ready in about 45 days.

N. C., Asheville—Chamber of Commerce, Homer Bryson, Pres., Plato D. Ebbs, Chmn., Bldg. Comm., considers 8- or 10-story building.

N. C., Pickens—Keowee Bank, J. P. Carey, Jr., Pres., plans 2-story bank and office building.

N. C., West Asheville (Station Asheville)—Bank of West Asheville, H. B. Posey, Cashr., open bids in few days for 2-story building, Haywood Rd. and Richmond Ave.; Jas. J. Baldwin, Archt., Asheville.*

Okla., Bartlesville—Phillips Petroleum Co. receives bids March 4 for office building, Fourth and Keeler Sts.; cost \$500,000, 7 stories, 60x140 ft., fireproof, brick, stone and reinforced concrete; Keene & Simpson, Archts., Land Bank Bldg., Kansas City, Mo.*

Okla., Tulsa—Tulsa Building & Loan Assn., Jas. E. Wade, Pres., 4 E. Fifth St., reported ready for bids on 8-story, mezzanine and basement store and office building; 50x100 ft., stone, granite and brick, cement foundation, composition roof, hollow tile, metal lath, steel sash, waterproofing, glass, screens, ventilators, elevators; Leland I. Shumway, Archt., New Wright Bldg.*

Tenn., Chattanooga—Hamilton National Bank, 701 Market St., remodel building; cost \$50,000 to \$75,000; ice water cooling system.

Tex., Brownsville—Jake and Meyer Zuber, 1310 Hamilton St., and John L. Mendlovitz, 623 Hawthorne Ave., Houston, erect \$175,000 office building; 6 stories, brick, concrete and steel.

Tex., Corpus Christi—H. C. Wood and associates erect 4 to 6-story office building; brick, tile and reinforced concrete, cost about \$250,000; Kelwood Co., Archt., Travis Bldg., San Antonio.

Tex., Dallas—Dallas National Bank, J. D. Gillespie, Pres., erect 15-story bank and office building, 1528-30 Main St.; site 53x90 ft.; plans by office C. D. Hill & Co., Central Bank Bldg.*

Tex., Galveston—Galveston Electric Co., Raymond G. Carroll, Mgr., plans fireproof office building, Church St. near 21st St.; fireproof; R. R. Rapp, Archt., Guaranty Bldg.

Tex., Junction—Junction State Bank erect fireproof addition.

Tex., Luling—Drs. Pitts, Benbow and Henry erect \$10,000 office building; 2 stories, reinforced concrete, hollow tile and stucco; Morris & Noonan, Archts.-Engrs., Builders Exchange Bldg., San Antonio.

Tex., McAllen—First National Bank remodel building for banking quarters.

Va., Roanoke—Colonial National Bank, R. H. Angell, Pres., plans 12-story bank and office building, site of present Terry Bldg.; cost \$500,000, mezzanine, 90x54 ft., white face brick, terra cotta cornices, bronze and marble fixtures, terrazzo floors with marble base, 2 elevators, steel window frames, 3 entrances; 16 offices on each of 10 upper floors; Frye & Stone, Archts., MacBain Bldg.; also have plans to remodel Terry Bldg.; would leave present walls and install new steel framework, raise to 12 stories; plans by Smith & Tardy, 112 Kirk Ave. W.; bids received on both projects.

W. Va., White Sulphur Springs—Bank of White Sulphur Springs, E. C. Curry, Cashr., receives bids March 15 at office Warne, Tucker & Patterson, Archts., Masonic Temple Bldg., Charleston, for bank building; plans and specifications seen at offices Archts. and Bank.

Churches

Ala., Decatur—African Methodist Church, 504 W. Church St., Rev. A. J. James, Pastor, having plans drawn by W. A. Rayfield, Birmingham, for \$30,000 concrete and brick building; 1½ stories, 42x52 ft., concrete floors, slate roof, hollow tile, steel sash and trim, wire glass, concrete floors, cast stone.*

Ark., Pine Bluff—Ohio Street Baptist Church erect 3-story Sunday school annex, Address The Pastor.

Fla., Eagle Lake—Baptist Church plans building, Address The Pastor.

Fla., Eagle Lake—Methodist Church plans building, Address The Pastor.

Fla., Miami Beach—Judge T. T. Ansberry, 1671 Meridian Ave., member of Comm. to erect \$1,000,000 Catholic church, rectory, convent, parochial school, Miami Beach Gardens section.

Fla., Sebring—Chas. Rogers and others interested in Christian Church, Eucalyptus and Poinsettia Aves.

Fla., Tampa—First M. E. Church, South, F. H. Wester, member, Bldg. Comm., erect \$500,000 church and Sunday school, Tyler St. and Florida Ave.; \$200,000 Sunday school first; 4 stories, auditorium seating 1500; R. H. Hunt Co., James Bldg., Chattanooga, Tenn., and M. Leo Elliott, Inc., Citizens Bank Bldg., Asso. Archts.*

Fla., Vero Beach—Methodist Church, 18th St. and Mohawk Ave., erect \$30,000 stucco building, site present structure; heating and cooling systems, pipe organ; W. H. Garas, Archt.; probably start work within 30 days.

Ga., Macon—Mulberry Street Methodist Church, O. A. Park, Chmn., Bldg. Comm., Citizens & Southern Bank Bldg., plans \$200,000 Sunday school building; also remodel main auditorium, cost \$450,000.

Ga., Waycross—First Baptist Church let contract in about 10 days for \$75,000 building to replace present structure, Elizabeth and Remshart Sts., Address The Pastor.

La., New Orleans—Touro Congregation, Max M. Kohler, member, Bldg. Comm., selected Nathan Kohlman, Godchaux Bldg., as architect for Sunday school, Gen. Pershing St. and St. Charles Ave.; information in about 60 days.*

La., Rayne—Baptist Church erect \$25,000 building; Jas. E. Greene, Archt., Bankers Mortgage Bldg., Birmingham, Ala.

Miss., Senatobia—Presbyterian Church, R. G. Roseborough, Chmn., Bldg. Comm., plans \$75,000 building, site present structure; drawing plans.

Mo., Caruthersville—Methodist Episcopal Church erect \$100,000 building, Address The Pastor.

Mo., Hayti—Methodist Episcopal Church erect building, Address The Pastor.

Mo., Kansas City—Roanoke Christian Church, 40th and Wyoming Sts., erect \$45,000 building; accommodate 600; Owen, Saylor & Payson, Archts., Interstate Bldg.

Mo., Naylor—Methodist Episcopal Church erect \$10,000 building, Address The Pastor.

Mo., Troy—Otto N. Dunard receives bids March 17 for church.

N. C., Charlotte—St. Peters P. E. Church, N. Tryon and Seventh Sts., J. H. Cutter, member, Johnston Bldg., considers new building.

N. C., High Point—East End Methodist Church, White Oak and Commerce Sts., plans building, E. Green St.

N. C., Spencer—Baptist Church, Rev. W. W. Gordon, Pastor, reported to rebuild structure burned at \$20,000 loss, Address The Pastor.

N. C., West Durham—West Durham Methodist Church, Rev. J. A. Martin, Pastor, erect church and parsonage, A and Sixth Sts.

Okla., Oklahoma City—United Brethren Church, Dr. Paul V. Clark, Pastor, has low bid at \$20,900 from W. T. Lawrence & Son, 1312 W. Ninth St., for building; Tonini & Bramblett, Archts., 416½ W. Main St.*

Okla., Tonkawa—First Christian Church, W. Grand Bldg., drawing plans for \$25,000 brick, steel and frame Sunday school; 3 stories and mezzanine, 50x72 ft., wood floors; Sorey & Vahlberg, Archts., Braniff Bldg., Oklahoma City, Address Ernest G. See, American Nat. Bank, Tonkawa.*

S. C., Sharon—Woodlawn Presbyterian Church, Rev. C. W. McCully, Chmn., Bldg. Comm., probably soon let contract for building.

Tex., Amarillo—Central Presbyterian Church probably call for bids by March 15 for brick, stone, steel and reinforced concrete building; 2 stories, 200x140 ft., L-shape, cost about \$250,000; Shepard & Wiser, Archts., Amarillo, and 1208 R. A. Long Bldg., Kansas City, Mo.*

Tex., Cleburne—Anglin Street M. E. Church, South, erect \$10,000 Sunday school; architect not selected; cement blocks, 40x60 ft., 2 stories and basement, concrete foundation, durable flat roof; address proposals on furnishings, equipment, etc., \$2500, to W. A. Hopper, 936 N. Anglin St.; construction proposals to K. E. Shirer, 736 N. Anglin St.; no general contract. (See Machinery Wanted—Building Material; Metal Ceiling; Partitions; Portland Cement; Roofing; Windows.)*

Tex., Dalhart—Methodist Episcopal Church, South, plans building, Address The Pastor.

Tex., El Campo—Methodist Episcopal Church, South, erect \$30,000 building; brick and tile, main auditorium seat 500; Sunday school 300; basement 300 to 400; also plans parsonage, Address The Pastor.

Tex., Luling—Methodist Church plans \$25,000 building; brick and reinforced concrete, 1 story, Address The Pastor.

Tex., San Antonio—South Texas Conference Association of Seventh Day Adventists has permit for \$30,000 church, Garden St. near Pereida St.

Tex., Yoakum—First Presbyterian Church receiving bids for brick veneer building; 2 stories, 40x54 ft., cement and pine floors, concrete foundation, asbestos shingle roof; Will N. Noonan Co., Archt., 301 Builders Exchange Bldg., San Antonio, Address J. A. McFadden.*

Vo., Lynchburg—West End Methodist Church Memorial Ave., plans building, Fort Hill, Address The Pastor.

W. Va., Martinsburg—Winchester Avenue Christian Church, H. E. Johnson, Chmn., Bldg. Comm., receives bids March 15 for building; C. E. Kent, Archt.; plans and specifications from Mr. Johnson, County Courthouse; structure brick, 2 stories, 60x110 ft., wood floors, concrete foundation, cost \$50,000; furnishings, equipment, etc., \$15,000.*

City and County

Fla., Brooksville—Hernando County Y. W. C. A. interested in community building.

Fla., DeLand—City erect \$60,000 combined city hall, fire station and police headquarters building, Address City Commission.

Fla., Hollywood—City reported erect city hall, Address City Council.

Fla., Mission City—City Commission erect Spanish type city hall, Village St. and Hamilton Ave.

Fla., Orlando—City, L. M. Autrey, Mayor, selected site, N. Main St., for city hall; to retain section of present city hall property for new central fire station.

Fla., Pinellas Park—Town plans municipal market, Address Town Council.

Fla., Winter Haven—City Commission considers \$1,000,000 bond issue, including amount for additional story to city hall.

Ga., Lafayette—City plans 2-story municipal building, Cherry St., for city offices and fire station.

Ky., Louisville—Shawnee Welfare Club interested in \$80,000, library to replace structure 40th St. and Broadway, branch of Louisville Free Public Library

La., Monroe—City, Arnold Bernstein, Mayor, erect Fire Station No. 2.

Miss., Ellisville—Jones County Board of Supervisors remodel courthouse; P. J. Krouse, Archt., Meridian.

Mo., Poplar Bluff—City plans improving city hall, Address City Council.

Mo., Shelbyville—City, A. Burk, Mayor, votes April 6 on proposition to erect \$15,000 opera house and community hall; furnishings, equipment, etc., \$5000; 1 story, 54x104 ft., cement floors.

N. C., Albemarle—Stanley County defeated \$250,000 courthouse bonds.*

Okla., Muskogee—Muskogee County Board of Commissioners, Dr. A. W. Harris, County Physician, considers brick building at County Farm for additional inmates and tubercular patients.

Okla., Poteau—LeFlore County Board of Commrs. selected Carnall Wheeler, Kennedy Bldg., Fort Smith, Ark., as architect-constr. supervisor for \$150,000 courthouse, Main St.*

S. C., Chester—Chester County Board of Commrs., W. Holmes Hardin, Chmn., erect \$15,000 poor house; 1 story, brick.*

Tex., Big Lake—Reagan County Commissioners' Court votes March 24 on \$50,000 courthouse bonds.

Tex., Dallas—City erect semi-fireproof fire and police station, Tenth St. near Ewing Ave.; 2 stories, 60x42 ft., wood, tile and concrete floors, reinforced concrete foundation, slate roof, metal ceilings, cast stone, limestone; Harre M. Bernet, Archt., 603 Melba Bldg.*

Tex., Levelland—Hockley County Board of Commrs., J. R. Evans, Judge, soon vote on \$200,000 courthouse bonds; 3 stories, brick and concrete.

Tex., San Antonio—Bexar County Board of Commrs., Augustus McCloskey, Judge, has following low bids for remodeling present jail and 3 additional stories: General, A. Vogel & Co., \$124,307; cell work, Southern Steel Co., 4500 block S. Presa St., \$105,000; wiring, A. H. Shafer, \$1958; plumbing and heating, West & Gutzelt, 425 Main St., \$18,147; elevators, Otis Elevator Co., 124 Garden St., \$5730; Atlee B. & Robt. M. Ayres, Bedell Bldg., and Seutter & Simons, Builders Exchange Bldg., Archts.*

Tex., Waxahachie—Ellis County Grand

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Jury. W. L. Harding, Dist. Judge, recommends new jail.

W. Va., Chesapeake—Town. James John Paul, Mayor, erect \$25,000 town hall.

Dwellings

Ark., Fayetteville—Geo. H. Sutton erect residence, Sutton and Walnut Sts.

Ark., Little Rock—W. R. Arnold, 1105 Volmer St., erect brick veneer residence, 123 Alpine Pass.

Ark., Little Rock—J. P. McArthur erect 2 brick dwellings, 1006-10 Prospect Ave.; total cost \$10,000.

Ark., Rogers—I. C. Patterson erect residence.

Ark., Rogers—J. P. Shofner erect residence.

Ark., Rogers—Blanchard Taul erect residence.

Ark., Rogers—Claude Williams plans 4 dwellings.

Ark., Rogers—Charley Alfred plans several dwellings.

Ark., Rogers—A. T. Fisher erect bungalow, W. Walnut St.

Fla., Avon Park—F. L. Meeker, Pres., First National Bank, Marshalltown, Iowa, reported erect residence.

Fla., Avon Park—C. H. Myers, Vice-Pres., Commercial Savings & Trust Co., Akron, O., plans winter residence.

Fla., Cocoa—O. B. Bovard, Pres., Pinkerton Tobacco Co., Toledo, O., erect 2 to 5 dwellings, Bellewood.

Fla., Daytona Beach—John A. Metcalf, Pres., Manufacturers Outlet Co., 62 N. Forsyth St., Atlanta, Ga., erect winter residence.

Fla., Daytona Beach—W. A. Proctor, Ravenswood, W. Va., erect number stucco finished tile dwellings, Daytona Shores.

Fla., DeLand—Clark & Turley erect number dwellings and other buildings, Pelham Square subdivision; total cost about \$200,000.

Fla., Fort Lauderdale—Howard Major, Archt., Palm Beach, erect number dwellings, Floriana Club.

Fla., Hollywood—Broad Creek Contracting Co. erect number dwellings; total cost \$500,000.

Fla., Hollywood—Dr. Walter Hoff Seeley and associates erect number dwellings; total cost about \$750,000.

Fla., Miami—W. M. Ward, Halcyon Hotel, erect 4 dwellings, N. W. 121st St. near Fifth Ave.; 2 stories, cement blocks; total cost \$55,000.

Fla., Northwood (Station West Palm Beach)—Craig, Stevens, Volk Co., Inc., 32d Ave., erect number dwellings, Northwood, to be constructed in groups of 4; also have contracts for number dwellings.

Fla., Ocala—E. M. Howard, Prop., Ocala Steam Laundry, erect residence.

Fla., Sebring—Marfisi & Coleman, 37 S. Edgewood St., erect dwellings, connection with 30-acre development.

Fla., South Jacksonville (Branch Jacksonville)—Unit Building Corp. erect \$15,000 dwelling, Locarno subdivision.

Fla., Tampa—Badia & Delyado erect \$26,000 dwelling, Indez subdivision.

Fla., Tampa—Jack Gill erect \$20,000 residence, Golf View section.

Fla., Tampa—J. W. Taylor has permit for \$30,000 residence, Midlothian St.

Fla., Tampa—T. O. Gibbons, 607 Washington St., erect \$55,800 residence, Vulbreath Riverside.

Fla., Tampa—Judge Jas. F. Glen, Exchange National Bank Bldg., erect residence, Beach Park.

Fla., Tampa—Chas. A. McKay, Vice-Pres., Maas Bros., Franklin and Zack Sts., erect residence, Beach Park.

Fla., Tampa—Karl E. Whitaker, Fielding and Inman Aves., erect residence, Beach Park.

Fla., Tampa—W. B. Cummings erect \$12,000 residence, Villa Rosa Park; English type, 2 stories, tile and stucco; Felton Davis, Archt., Bay Shore Royal Hotel, drawing plans.

Ga., Atlanta—E. L. Coons, 361 Ponce de Leon Blvd., erect 1½-story brick residence, 60 Sherwood Rd.; cost about \$10,000.

Ga., Waycross—E. J. Boyd erect residence, Cherokee Heights.

Ga., Waycross—W. S. McClain erect residence, Cherokee Heights.

Ky., Louisville—Herald-Post Co., 417 Fifth St., erect \$15,000 brick and tile residence, Bravest St. and Lexington Rd.

Ky., Louisville—Bruce Hoblitzell, 147 S. Fifth St., erect 9 dwellings, 1633 Wilson, 1637, 1315-17-19 S. 17th, 1538-40-42-44 S. Shelby Sts.; cost \$2000 each.

Ky., Louisville—M. J. Murphy erect 3 dwellings, 11-13 Woodhill Way; cost \$9000 each.

La., Monroe—Dr. C. A. Beatie, Chase-Ammon Bldg., erect 2 dwellings, Pershing Place; total cost about \$10,000.

Md., Baltimore—Wm. P. Pearson, 5009 Chapanoke Rd., erect 10 dwellings, 3204-32 St. Paul St.; 2 stories, 19x34 ft., brick; total cost \$50,000.

Md., Baltimore—Jerome G. Daneker, Equitable Bldg., erect \$10,000 brick residence, Charleotte Rd. near Greenway; 2½ stories, 38x25 ft.

Md., Baltimore—Miller-Nelson Co., Inc., Belair Road, erect 8 dwellings and garages, Franklin and Anglewood Aves.; 1½ stories.

Md., Baltimore—Progressive Building Co., 3826 Arabia Ave., erect 15 brick dwellings, 2800 block W. Mulberry St.; 2 stories; total cost about \$45,000.

Md., Baltimore—J. Hurst Purnell, Ruxton Ave., erect 6 dwellings, 423-33 Wingate Rd.; total cost \$70,000.

Md., Baltimore—Howell H. Thomas, 17 South St., erect \$10,000 cottage, 19 Somerset Rd.; 3 stories.

Md., Baltimore—Oscar E. Habicht, 105 S. Belair Rd., erect 2 cottages, Woodlea Rd. near Edgewood St.

Md., Baltimore—Rose Bud Realty Co., Equitable Bldg., erect 25 brick dwellings, N. W. and S. E. cors. Morley Ave. and McCurley St. and Morley Ave. W. of Hilton St.; 2 stories; total cost \$75,000.

Md., Baltimore—Fulton E. Yewell, Inc., 4100 Garrison Ave., erect 20 brick dwellings, Kate Ave., Forest Park; 2 stories.

Md., Brooklyn (Sta., Baltimore)—Keating Realty Corp., 16 St. Paul St., Baltimore, erect 19 brick dwellings, Brooklyn Ave. near Potomac St.; 2 stories; total cost \$50,000.

Md., Westport (Station Baltimore)—Westport Building Co., Westport Ave. and First St., erect 20 brick dwellings, S. side Westport Ave. near First Ave.; 2 stories; total cost about \$36,000.

Miss., Biloxi—Wm. Collins, care Collins Bros., Contrs., plans residence.

Miss., Biloxi—Geo. T. and W. A. Cosgrove erect 2 dwellings, North Back Bay.

Miss., Biloxi—Guy Lee erect brick veneer and stucco residence, Lakeland; Carl Matthes, Archt.

Mo., Clayton (Ind. Branch St. Louis)—R. L. Gray, 39 Blakemore Place, erect 3 brick dwellings; 26x73 ft.; total cost \$10,500.

Mo., Clayton (Ind. Branch St. Louis)—Gerling Realty & Building Co. erect brick dwellings, Quinor; total cost \$10,000.

Mo., Clayton (Ind. Branch St. Louis)—Mrs. Garneau Weid erect \$15,000 residence, Litzinger Rd.

Mo., Fulton—L. U. Nickell erect residence, W. Seventh St.

Mo., Kansas City—J. S. Agee erect \$10,000 residence, 1232 61st Terrace.

Mo., Kansas City—John W. Lewis, 5346 Troost St., plans Colonial residence, Cherry St. near 54th St.

Mo., Kansas City—Henry Seested, 2820 Baltimore Ave., plans several bungalows, 58th St. and Park Ave.

Mo., Sedalia—B. J. Holt erect 2 bungalows, 703-05 W. Second St.

Mo., University City (Station St. Louis)—Wenz Building Co. erect 2 dwellings, 7275-79 Northmoor Drive; total cost \$14,000.

N. C., Asheville—Yarrow Construction Co., Legal Bldg., plans 20 dwellings.

N. C., Greensboro—J. N. Coe, 306 American Bldg., erect 4 dwellings, College Park Drive, South; 1 and 2 stories, cost \$10,000 each, stucco and brick veneer, composition roofs.

N. C., Hendersonville—David Baier and Nat. H. Baier, both Palm Beach, Fla., erect 60 dwellings, Druid Hills and Palanza Park near Hendersonville; Spanish and other types; cost about \$6500 each.

N. C., Shelby—Clarence B. Cabaniss plans brick veneer residence, Kings Mountain-Shelby Road.

Okla., Oklahoma City—John J. Harden, Inc., Trades Natl. Bank Bldg., erect 6 dwellings, 1627 W. Fourth, 2211 W. 17th, 254, 2527-58 and 2812 W. 18th Sts.; total cost \$24,850.

Okla., Tulsa—A. A. Smedley, 2511 E. Fifth Place, erect \$11,000 brick and tile residence, 125 East St.; 2 stories; \$1000 garage.

S. C., Anderson—Appleton Manufacturing Co., successors to Brogon Mills, plans 100 operatives' cottages.

Tenn., Memphis—Morton Panduward erecting residence, Hawthorne Place; English type, stone, brick, half-timber and Stonekote; Estes W. Mann, Archt., Cotton Exchange Bldg.

Tex., Houston—L. F. Glover, Victoria, Tex., erect residence, Riverside Terrace.

Tex., Brownsville—Hilton Lynch has low bid at \$20,038 from H. J. Hansen & Son for 2-story Colonial residence; Albaugh & Steinbomer, Archts., 941 Austin St., San Antonio.

Tex., Dallas—R. L. Garrett, 1811 N. Peak St., erect \$10,000 duplex, 6730 Ash Lane; 10 rooms, brick veneer.

Tex., Houston—Mrs. E. V. Hardway, Bellaire Blvd., erect frame residence, Bellaire Blvd.; John McLelland, Archt., Woolworth Bldg., ready for bids.

Tex., Houston—E. B. Corbett, 2204 La Branch St., opens bids May 1 for stucco and hollow tile residence, River Oaks; cost \$19,000; 2 stories and attic, 52x60 ft., L-shape, hardwood, tile, linoleum and concrete floors, cast stone, reinforced concrete foundation, inlaid slate shingle roof, steel sash and trim, electric refrigerator; Jas. W. Northrop, Jr., Archt.-Engr., West Bldg.

Tex., Houston—Frank P. Sterling, 4407 Rossmoyne Blvd., erect 2-story residence, Broadacres; Alfred C. Finn, Archt., Bankers Mortgage Bldg.

Tex., San Antonio—M. Goldsmith, 301 Brahan St., erect \$15,000 residence, Lynwood Blvd.; 11 rooms.

Tex., San Antonio—Tropik Building Co., G. A. Weigand, Owner, Tampico, Mexico, soon start work on \$300,000 building program, North Woodlawn Terrace addition; \$15,000 to \$25,000 dwellings.

Tex., San Antonio—M. W. Duckwall, 432 Fulton Ave., erect 1-story, 7-room, stucco or metal lath Spanish type residence, Belknap St. and Grammercy Place; Harvey Page, Archt., 204 Crescent St.

Tex., Wharton—F. W. Shannon erect 2-story, brick veneer, 9-room residence; J. M. Glover, Archt., Bankers & Mortgage Bldg., Houston, receiving bids.

Va., Lynchburg—Dr. D. P. Scott, 1112 Church St., erect \$22,259 residence, Catalpa Drive.

Government and State

Fla., St. Augustine—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids March 19 for remodeling and enlarging post office and custom house; drawings and specifications from Custodian at site or from office Supervising Archt.

Ky., Frankfort—State, W. J. Fields, Gov., plans \$13,500,000 to \$14,000,000 bond issue, including \$5,000,000 for penal and charitable institutions.

Tex., Waco—Mrs. Dora Behrens erect building to be leased for Baylor University Post Office; brick, about 25x50 ft.

Va., Hopewell—D. L. Elder and John Hanlon erect building for post office; 1 story; install equipment.

Hospitals, Sanitariums, Etc.

Ala., Albany-Decatur—Benevolent Hospital erect 3-unit hospital; cost about \$75,000; J. B. Claiborne interested.

Ark., Booneville—State, care J. F. Loughboro, 314 W. Markham St., Little Rock, has low bid from E. W. Rambo for \$50,000 hospital building at Arkansas Tuberculosis Sanatorium; Haralson & Nelson, Archts., 407-09 Merchants Nat. Bank Bldg.; heating equipment to Francis & Hartmeyer, 18 N. Ninth St.; plumbing, Russell Johnson, all Fort Smith.

Fla., Tampa—M. Leo Elliott, Inc., Citizens Bank Bldg., advises contract for \$1,000,000 municipal hospital will either be let March 4 or city will call for new bids; Stevens & Lee, Constl. Archts., 45 Newberry St., Boston, Mass.

Ky., Paducah—City Council, W. F. Owen, Chmn., Hospital Comm., has plans by W. Bryan Rouse, Lenox Bldg., for \$14,000 nurses' home to replace burned structure, Riverside Hospital.

La., New Orleans—New Orleans Dispensary for Women and Children erect hospital; details not decided; Francis T. MacDonnell, Archt., 604 Hibernia Bldg.

Mo., Kansas City—Research Hospital, 23rd and Holmes Sts., has gift from Wm. Volker, Director, for \$200,000 nurses' home; J. G. Braecklein, Archt., Route No. 1, Bethel, Kansas.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

N. C., Oteen—United States Veterans' Bureau, Frank T. Hines, Director, Arlington Bldg., Washington, D. C., reported to erect 3 permanent buildings at U. S. Veterans' Hospital No. 60; Col. E. P. Odenh'hal, Medical Officer in Charge; probably cost about \$750,000.

Tenn., Murfreesboro—Commonwealth Fund, 1 E. 57th St., New York, S. B. Christy, Chmn., Local Comm., receive bids about March 15 for hospital; cost \$100,000; Berlin & Swern, Archts., 19 S. LaSalle St., Chicago, Ill.

Tex., Dallas—City-County Hospital Board, Dr. G. B. Thaxton, Wilson Bldg., member, to request City and Dallas County to provide \$250,000 for improvements to city-county hospital system.

Tex., Haskell—City erect hospital; Voelcker & Dixon, Archts., 312 Morgan Bldg., Wichita Falls, Tex.*

Tex., Lufkin—Angelina County Board of Commrs. contemplate enlarging County Hospital.

Tex., Paris—City has estimates and sketches by Curtis & Lightfoot for \$50,000 brick and concrete sanatorium.*

Hotels and Apartments

Fla., Fort Lauderdale—Florida Hotel Assn., I. C. Overdoff, Pres., represented by Arthur H. Wagner, Sec.-Treas., signed contracts with Lake Mabel Development Corp., George Whyel, Pres., calling for work to start soon on \$500,000 Mandalay Arms Hotel, in Lauderdale Country Club Estates; will be second hotel in chain the Association plans to build in Florida.

Fla., Fort Lauderdale—C. B. Lozier erect \$10,000, 2-story, 6-family apartment house in Progresso subdivision.

Fla., Gainesville—North Florida Realty Co., W. McKee Kelley, Pres., 659 Central Ave., St. Petersburg, authorized G. Lloyd Preacher & Co., Inc., Archts. and Engrs., Atlanta, Ga., to draw plans and specifications and supervise construction of 10-story, reinforced concrete, fireproof, Spanish renaissance type, 100-room Dixie Hotel; private bath to each room, high-speed electric elevators, tile floors and wainscoting in baths; ground floor for stores, cafeteria and shops; lobby, lounge, dining room, etc., on mezzanine.*

Fla., Green Cove Springs—C. L. Rood, Treas. of J. C. Penney-Gwinn Corp., J. C. Penney Co. Bldg., 330 W. 34th St., New York, considering erection of hotel; no definite plans formulated.

Fla., Hollywood—L. O. Corbett erect \$70,000, 2-story, 112-room rooming house in Lincoln St.

Fla., Hollywood—Francis Allen erect \$15,000, 1-story, frame apartment house, Scott St.

Fla., Jacksonville—Chas. G. Strickland, Pres. of San Jose Estates, announced work to start soon on \$2,000,000 winter resort hotel; will be operated by Vanderbilt Hotel Corp., Walton Harper Marshall, Pres., Park Ave. and 34th St., New York; completed plans and specifications submitted by Warren & Wetmore, Archts., 16 E. 47th St., New York.*

Fla., Lakeland—Carl Herbster, 10 E. Langborne Ave., Llanarch, Pa. (P. O. Upper Darby, Del.), will erect 2 apartment houses.

Fla., Leesburg—Chamber of Commerce entered agreement with Charles Lawrence Quigg, Jacksonville, for construction of \$400,000, 5-story, fireproof hotel.

Fla., Miami—Beacom Manors, Inc., First National Bank Bldg., erect \$45,000, 8-family apartment house, lot 105, Beacom Manors.

Fla., Miami—M. Binley erect \$45,000, 2-story, 45-room hotel, N. W. 31st St.

Fla., Miami—Paul Gallat, 818 S. W. Second St. and Lucia Lups erect \$75,000, 3-story, 24-family apartment building, 818 S. W. Second St.

Fla., Miami—Paul M. Beacom, First Natl. Bank Bldg., erect \$20,000, 2-story, cement block; 8-unit apartment house, 2436 S. W. Seventh St.

Fla., Miami—R. Otto, 900 N. Miami Ave., erect \$18,000, 2-story, 4-family apartment house, S. W. 23th St.

Fla., Miami Beach—S. A. Johnson, 1651 N. W. Seventh Court, erect \$81,000, 2-story apartment house, restaurant and store room, W. 47th St.

Fla., Orlando—Mt. Plymouth Hotel Corp., W. A. Dunn, Pres.; William Edwards, Vice-Pres., will make additions to clubhouse to be used as hotel.

Fla., St. Petersburg—W. F. Lyon erect Biltmore Apartments on First Ave. North and 45th St.

Fla., Tampa—J. C. Guarrie erect \$12,500 apartment house on Memorial Highway.

Fla., Tampa—Citizens' Bank & Trust Co., 702 Franklin St., erect \$35,000 apartment house on Amelia Ave.

Fla., Tampa—Maria Italiano erect \$11,500 apartment, Kansas Ave.

Fla., Tampa—R. S. Pierce, Pres. of Tampa Bay Realty Co., Citizens' Bank Bldg., planning to erect several apartment houses in Tampashores.

Fla., Tampa—Permanent Improvements, Inc., contemplates erecting apartment houses to cost ultimately \$1,250,000; contract let for initial unit on Swann Ave., to be known as Skinner Apartments; brick and hollow tile construction.

Fla., Winter Haven—Better Homes Corp. soon start work on \$75,000, 2-story, 104-room, 70x107 ft., 26-apartment house, Second St. and Park Ave.

Ga., Atlanta—O. B. Watson erect \$15,000, 2-story, brick veneer, 8-unit apartment house, 553 Lee St.

Ga., Savannah—Hockenbury System, Inc., Harrisburg, Pa., successfully completed subscription campaign totaling \$804,000 for erection of tourist hotel on Wilmington Island; J. Ferris Cann, Chmn. of executive committee.*

Ky., Louisville—Fireproof Building Co. plans to erect \$600,000 Millicourt Apartment House on Barrett Ave. overlooking Castletwood; 72 apartments.

Miss., Biloxi—Mississippi Finance & Trust Co., J. O. Spaulding, Pres., Wachenfeldt Bldg., P. O. Box 551, planning to erect 100-apartment building; also race track to accommodate auto, motorcycle, dog and horse racing.

Miss., Gulfport—Charles H. Kaplan, 130 N. Wells St., Chicago, Ill., owner of Rayner Hotel, remodel first floor for restaurant, construct lobby in rear of present lobby, refit and redecorate bedrooms; under supervision of J. M. Weller, Archt., 307 N. Michigan Ave., Chicago.

Miss., Gulfport—Carl L. Schmidt of C. L. Schmidt & Co., 30 La Salle St., Chicago, Ill., representing group of Chicago investors, purchased Henderson Point property, plan resort and residential community development, including hotel, yacht club, golf course, etc.

Miss., Hattiesburg—Hotel Mitchel plans to add 20 new rooms. Address The Proprietor.

Miss., Meridian—Meyer-Florida Hotel Co., Thomas P. Florida, Sec.-Treas. and Gen. Mgr., Columbus, has plans in progress by P. J. Krouse for \$650,000, 11-story, 75x101 ft., fireproof hotel, 21st and Fifth Sts.; equipment and furnishings cost \$100,000. (See Machinery Wanted—Building Material; Incinerators; Electric Refrigerators; Mail Chutes; Dumb Waiters; Ventilators.)*

Mo., Kansas City—McCanles Building Co., 406 Victor Bldg., plans erection of apartments at S. E. cor. 13th St. and Forest Ave.

Mo., Kansas City—C. F. Gordon, 2515 E. 10th St., erect \$10,000 apartment house at 4440-2 Broadway.

Mo., Springfield—H. B. McDaniel, 597 St. Louis St., will remodel Central Hotel, 505 Booneville Ave.

N. C., Elizabeth City—Richard C. Job, Sec., Chamber of Commerce, advises: We are about to start campaign for \$500,000 hotel; will be operated by William-Foor Hotel Corp.; architect and contractor not yet selected; financing of campaign being conducted through Hockenbury System, Inc., Harrisburg, Pa.*

N. C., Saluda—Dr. James H. Pittman, West Palm Beach, Fla., purchased St. Charles Hotel; will remodel.

Tex., Corpus Christi—H. C. Wood and Associates receive bids after March 10 for \$300,000, 6-story, hollow tile, brick and stucco hotel building; Kelwood Co., Archts., Travis Bldg., San Antonio.*

Tex., Dallas—D. Ramsey erect two 16-room, brick veneer, 4-apartment houses, 4028-40-2-4 Prescott St.

Tex., Dallas—David F. Powell, 3113½ State, erect \$12,150, 20-room, brick veneer apartment house and garage, 3113-5 State St.

Tex., Dallas—M. G. T aylor erect \$12,500, 16-room, brick veneer, 4-apartment building, 4041-3 Herchel St.

Tex., Dallas—H. E. Anderson erect three \$6000, 2-story, brick veneer, 8-room apartment houses, 800-6 Mount Auburn and 6008-14 Lindsley St.

Tex., Fort Worth—A. H. Smith, 1405 Harrington St., erect apartment building at 252 Columbus Ave.

Tex., Fort Worth—Robert McCart, 5028

Bryce St., erect \$10,060 apartment house, 4800 Bryce St.

Tex., Fort Worth—Mat Rogers erect \$15,000 apartment house, 1017 College St.

Tex., Kerrville—R. L. Burney, 928 N. Flores St., San Antonio, promoting erection of \$200,000, 100-room, 4-story, fireproof hotel on site facing 150 ft. on Water St. to be donated by L. A. and A. C. Schreiner.

Tex., Memphis—E. O. Thompson take bids at once for \$35,000, 75x140 ft., 3-story and basement, brick and frame hotel; Shepard & Wisner, Archts., 207 Amarillo Bldg., Amarillo.*

Tex., Mineral Wells—Crazy Water Co., Sidney Webb, Pres., has plans in progress by Withers & Merrell, 104½ Oak St., for \$300,000, 125-room, L-shape, brick, stone and reinforced concrete hotel building.*

Tex., Stamford—Stamford Inn, A. C. Cooper, owner, erect \$30,000, 2-story, 40x135 ft., brick and reinforced concrete addition; Spanish type, fireproof.

Miscellaneous

Ala., Tuscaloosa—Tuscaloosa Pilots' Club will establish recreation camp near Camp Horne; soon start work on first building.

D. C., Washington—Sir Edwin L. Lutwens, Archt., preparing plans for new British embassy building at Observatory Circle.

Fla., Coral Gables—Cocoplum Woman's Club, Mrs. F. J. Ravlin, Pres., plans to erect \$100,000 clubhouse on Sunset Road.

Fla., Deland—Clark & Turley erect buildings, Pelham Square. (See Buildings Proposed—Dwellings.)

Fla., Miami Beach—Judge T. T. Ansberry, 1671 Meridian Ave., member of Comm.; Catholic convent. (See Building Proposed—Churches.)

Fla., St. Augustine—St. Augustine and Atlantic Corp., August Heckacher, Pres., 50 E. 42d St., New York, soon start work on \$100,000 casino at Vilano Beach.

Fla., Tampa—Walter S. Barrett, Treas. of Tampa Athletic Club, announced purchase of S. E. cor. Parker and Lafayette Sts. as site for proposed \$1,000,000, 12-story building; lower floor for commercial use; second, third, fourth and fifth floors for clubrooms; remainder private guest rooms.*

Fla., Tampa—Tampa Seaman's Church Institute planning to erect \$200,000, 4-story building on site of present building, Hampton St.; Carl R. Couch, Archt., 606 S. Orleans Ave.

Fla., West Palm Beach—Country Club, Inc., D. F. Dunkle, Pres., Guaranty Bldg., has plans in progress by Messrs. Harvey & Clarke, Guaranty Bldg., for \$300,000 clubhouse.*

Ga., Atlanta—R. J. Spiller, Inc., Ponce de Leon Ball Pk., erect \$15,000 frame bathroom and concrete swimming pool at 420 Ponce de Leon Ave.

Ga., Vidalia—Vidalia Women's Club has plans in progress for proposed clubhouse.

La., Monroe—Columbus Social Club, Joe Samponare, Pres., 901 Pine St., soon have completed plans for \$12,000, brick, 30x80-ft. building, store on first floor, clubrooms above.

Miss., Gulfport—Gulfport Athletic Assn., owners of Gulfport Cotton States League franchise, selected Smith & Norwood, Archts., prepare plans for grandstand at Fair Grounds, seating capacity of 2000.

Miss., Gulfport—Dr. A. S. Hopkins and Ralph E. Brash interested in organization of yacht club and construction of pier and clubhouse.

N. C., Goldsboro—Woman's Club has plans in progress by Thomas P. Jones, Wayne Natl. Bank Bldg., for \$45,000, brick and frame, 56x100-ft., 2-story clubhouse, Mulberry and Williams Sts.; wood and tile floors, brick and concrete foundation, slate and composition roof. Address equipment proposals to Miss Mary DeVan.*

N. C., Hendersonville—Country Club Estates, Inc., planning to erect \$125,000 clubhouse on Asheville-Hendersonville highway.

N. C., Oteen—Blue Ridge Brotherhood, care Mrs. Alwyn J. Baker, contemplates construction of sub-center of World University, temple for religious activities, amphitheater, 50 cottages, on 160-acre tract on Farm School Road.

Tex., Brownsville—Jake and Meyer Zuber, 1310 Hamilton St., and John L. Mendelvit, 623 Hawthorne St., Houston, purchased property; planning to erect 5 or 6-story building with stores on first floor and hotel or offices above.

Tex., Laredo—Laredo Country Club plans erection of clubhouse, golf course, etc.

Tex., San Antonio—National Council of

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Jewish Women, Mrs. A. A. Brown, Pres., 719 Howard St., soon start work on \$10,000 clubhouse, W. Poplar St.

Railway Stations, Sheds, Etc.

Ala., Attalla—Southern Railway System, 1300 Pennsylvania Ave., Washington, D. C., advises in regard depot facilities: "There will be no new building, it being merely a question of extending present facilities; work probably by company forces."

Miss. Yazoo City—Yazoo & Mississippi Valley Railway, E. L. McLaurin, Div. Supt., McComb, has plans for remodeling depot.

Tex., Childress—Fort Worth & Denver City Ry. Co., R. C. Gowdy, Ch. Engr., Denver, Col., reported planning erection of new passenger and freight depots; passenger depot to occupy present location between Main and Swearington Sts., brick and concrete, cost \$80,000; freight depot of brick, steel and concrete.

Schools

Ala., Birmingham—Jefferson County Board of Education plans \$600,000 bond election.

Ark., Clarksville—A. O. Clark, Rogers, preparing plans for \$150,000 dormitory at college of the Ozarks.

Ark., Lake Village—Lakeside Special School District, Chicot County, C. J. Buffington, Sec., receives bids until March 15 for \$30,000, 2-story school building; plans may be secured from Mitchell Selligman, Archt., 206 Pine St., Pine Bluff.

D. C., Washington—District Commissioners, Room 509 District Bldg., opened bids for erecting Stuart Junior High School, Fourth, Fifth, E and F Sts. N. E.; Parsons & Hyman, Inc., Equitable Bldg., low bidder, at \$445,000; A. L. Harris, Municipal Archt., District Bldg.*

Fla., Fort Pierce—Mrs. Edgar Lewis, Supt., St. Lucie County Board of Public Instruction, advises "Building program postponed for present."

Fla., Gainesville—Florida Methodist Foundation, Rev. W. A. Cooper, D. D., Executive Sec., First Methodist Episcopal Church, South, Orlando, will erect \$150,000 brick community houses at University of Florida, Gainesville, and Florida State College for Women, Tallahassee; details not yet decided; Edwards & Seward, Archts., 101 Marietta St., Atlanta, Ga.*

Fla., Marianna—Jackson County Board of Public Instruction, George J. Grace, Supt., plans to erect \$100,000, brick High School building; architect not yet selected; equipment and furnishings cost \$10,000.

Fla., Melbourne—Brevard County Board of Public Instruction, Titusville, call election March 22 in School District No. 4 on \$200,000 school bonds.

Fla., Miami Beach—Judge T. T. Ansberry, 1671 Meridian Ave., member of Comm. Catholic parochial school. (See Buildings Proposed—Churches.)

Fla., Miami Beach—City, C. W. Tomlinson, City Clerk, contemplates \$800,000 bond election for \$200,000 junior high school; address Dade County Board of Public Instruction, Miami.

Fla., Montverde—Montverde School, H. P. Carpenter, Pres., launched campaign for \$200,000 for expansion; F. H. Trimble, Archt., 117 N. Main St., Orlando, preparing plans for 2 dormitories.*

Fla., Pompano—Pompano School District Board of Trustees, A. E. Harry, Sr., plans \$200,000 bond election for \$75,000 junior high school, 4 additional rooms to grammar school and overhaul auditorium.

Fla., Tallahassee—See Fla., Gainesville.

Ga., Atlanta—Building Committee of Georgia School of Technology opens bids March 5 for erection of dormitory; plans and specifications may be obtained from Bush-Brown and Stowell, Archts., Georgia School of Technology.*

Ga., College Park—City voted \$65,000 bonds for two new grammar schools and high school; William J. J. Chase, Archt., 140 Peachtree St., Atlanta, Ga.*

Ky., Frankfort—State, Gov. W. J. Fields, contemplates bond issues aggregating \$13,500,000 or \$14,000,000, including \$5,000,000 for University of Kentucky.

Ky., Louisville—Board of Education, Samuel D. Jones, business director, purchased property adjacent to Booker T. Washington School for negroes, Jackson and Breckinridge Sts., as site for \$125,000 junior high school for negroes; also obtained site for 8-room school near present Oakdale School, \$100,000.

La., Shongaloo—Webster Parish School

Board, Minden, will receive plans and specification March 2 for erection of school building; Edward F. Neild, Archt., Merchants Bldg., Shreveport.

La., Shreveport—Caddo Parish School Board authorized purchase of 5-acre tract in Broadmoor subdivision, South Highlands, as site for school building.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., receives bids until March 17, at office F. A. Dolfeld, City Register, City Hall, for erection of Colored Elementary School, Preston and Walnut Sts.; drawings and specifications may be seen at office H. G. Ferring, Supv. Engr. Public Improvement Comsn., 518 Hearst Tower Bldg.

N. C., Asheville—Swannanoa School Dist. voted \$150,000 bonds for new high school; Sandy Mush reported voted \$50,000 bonds for new building; address Buncombe County Board of Education.

N. C., Goldsboro—Board of Education receives bids until March 10 for erecting \$225,000, 2-story, 22-classroom and auditorium high school building, near Herman Park.*

N. C., Kernersville—Kernersville and surrounding school districts voted consolidated school election for new building; address Forsyth County Board of Education, Winston-Salem.

N. C., Kinston—Executive Committee of Caswell Training School, L. P. Tapp, Chmn., receives bids until March 10 for following: alterations and additions to Boys' Dormitory, including plumbing; composition floors for exercise room in Low Grade building; pump house and reservoir; water system including 2 centrifugal pumps, and 1 fire pump with capacity of 100 gals. per minute; approximately 4500 ft. water line; power line; plans and specifications on file at office Dr. W. H. Dixon, Supt., or may be obtained from Benton & Benton, Archts., Fidelity Mutual Bldg., Wilson.

N. C., Mount Airy—Surry County Board of Education, E. S. Hendren, Sec., opens bids April 5 for erection of 1-story, 119x126.8, tile with brick veneer school buildings at Dobson, Rusk, Round Peak, Ararat, Mountain Park and White Plains; cost \$15,000 to \$20,000 each, gum and hardwood floors, concrete foundations; Frank B. Simpson, Archt., 110 E. Lane St., Raleigh. (See Machinery Wanted—Hollow Tile; Metal Ceilings; Hardwood Flooring.)*

N. C., Whiteville—Columbus County Board of Education, J. H. McIver, Supt., Whiteville, announced State funds distributed as follows: Cerro Gordo \$40,000, Acme-Delco \$40,000, Whiteville \$15,000, Mount Tabor \$15,000, Hallsboro \$20,000.

Okla., Enid—Board of Education has final plans in progress by R. W. Shaw, Enid; bids in about 30 days for 5 grade school buildings and 8-room addition to Longfellow Junior High School; \$250,000 bonds voted.*

S. C., Florence—Florence County Board of Education, M. M. Wilkes, Supt., consolidated High Hill, Trifolia and Scranton school districts, will erect school building.

S. C., Orangeburg—State Colored College Board of Trustees, C. Bethea, contemplates erecting \$37,000 agricultural building.

Tex., Austin—Texas Memorial Stadium Assn., Inc., Max Fichtenbaum, Sec., soon erect \$150,000, reinforced concrete Stadium addition to seat 12,000; A. T. Granger, 3205 Guadalupe St., San Antonio, Engr., for plans.*

Tex., Beaumont—St. Anthony's Parish Catholic Church Very Rev. E. A. Kelly, pastor, open bids about March 15 for \$85,000, 3-story, 102x108 ft., reinforced concrete High School building, Archie and Wall Sts.; Barrett roof, concrete foundation equipment and furnishings cost \$15,000; A. Babin Archt., Blanchette Estate Bldg.; Robert J. Cummins, Engr., Bankers Mortgage Bldg., Houston. (See Machinery Wanted—Building Material; Ventilators; Blackboards.)*

Tex., Bertram—School District voted \$15,000 bonds for new school building; address Board of Education.

Tex., Denison—Board of Education, Ben W. Munson, Pres., call election April 6 on \$150,000 bonds for new school building.

Tex., Denton—College and Industrial Arts Board of Regents receives bids until March 15 for erecting \$140,000, 1-story, basement and mezzanine, 130x48 ft., brick-stone, steel and reinforced concrete, fireproof Bralley Memorial Library; plans and specifications may be obtained from Alfred C. Bossom, 680 Fifth Ave., New York, and Henry Coke Knight, 330 Wilson Bldg., Dallas, Asso. Archts.*

Tex., Dilley—Dilley Independent School District Board of Trustees contemplate \$35,000 bond election for brick, stone and reinforced concrete school.

000 bond election for brick, stone and reinforced concrete school.

Tex., Fort Worth—Board of Education of Fort Worth Independent School District receives bids until March 12 for construction and mechanical equipment of addition and alterations on Carroll Peak School building; plans and specifications may be obtained from O. H. Atkinson, 1018 W. T. Waggoner Bldg.

Tex., Houston—James Ruskin Bailey, 1606 Main St., preparing detailed plans for additions to Eastwood and Mountrose Schools from sketches prepared by Harry D. Payne, School Archt.*

Tex., Mercedes—School Board approved tentative plans by Elwing & Mulhausen, Harlingen, for 12-classroom addition to high school, 12-classroom and auditorium building to replace South Side Grammar School; soon call \$150,000 bond election.*

Tex., Mesquite—Pleasant Mound District No. 2, near Mesquite, H. G. Read, Pres. Board of Education, voted \$20,000 bonds for new school building.*

Tex., Ranger—Board of Education soon call election on \$40,000 bonds for new Central Ward School.

Tex., Sweeney—Board of Education has plans in progress by John McLelland, Woolworth Bldg., Houston, for 1-story, 5-room, brick veneer school building.

Tex., Taft—Taft Independent School District Board of Education, L. C. Ivey, Pres., has plans by Harvey P. Smith, National Bank of Commerce Bldg., San Antonio, for \$60,000, 1-story, hollow tile and brick, E-shaped, 106x160 ft. High School building; reinforced concrete foundation, tile roofing, floors of composition, tile, cement and wood; W. E. Simpson Co., Engrs., National Bank of Commerce Bldg., San Antonio. (See Machinery Wanted—Building Material; Ventilators.)*

Tex., Tahoka—Tahoka Independent School District Board of Trustees has plans in progress by David S. Castle Co., Alexander Bldg., Abilene, for \$100,000, 3-story, brick and concrete school building; maple over concrete slab floors, concrete foundation, gravel roof; bond election soon. (See Machinery Wanted—Building Material; Incinerators; Vaults; Ventilators.)*

Tex., Trinidad—Board of Education opens bids about April 1 for \$50,000, 1-story, brick, 6-classroom and auditorium school building; pine floors, slate roof; Bertram C. Hill, Archt., Liggett Bldg., Dallas.

Va., Hanover—Hanover County Board of Education reported to erect auditorium unit for Montpelier High School.

Va., Rustburg—Campbell County Board of Education planning to erect school building on Salem turnpike; will receive \$100,000 on April 1 for 4 new schools.

W. Va., Fairmont—William B. Ittner, Inc., Archts. & Engrs., Board of Education Bldg., St. Louis, Mo., preparing plans and specifications for 2 high school buildings and 2 grade school buildings; not to be ready for figuring for at least 90 days.

Stores

Ala., Birmingham—James Hood, Pres. of Hood-Wheeler Furniture Co., 2013 Fourth Ave., N., acquired lot 50x190 ft. on Seventh Ave., South; reported planning to erect building; type not decided.

Ala., Birmingham—Birmingham Realty Co., 2118 First Ave., N., erect 50x100-ft., 2-story brick building, S. W. cor. Seventh Ave. South and 29th St.

Ark., Arkadelphia—Jack Nowlin and Hal Norwood purchased property, S. W. cor. Fifth and Clinton Sts.; erect 2 store buildings.

Ark., Fayetteville—Bossemeyer & McBride erect 2-story, fireproof building, N. Block St.

Ark., Fayetteville—F. W. Woolworth Co., Woolworth Bldg., New York, will occupy Sutton Building on Mountain St. after remodeling, to cost \$10,000.

Ark., Little Rock—E. W. Martin, 19th St. Pike, erect store building at 701 E. 21st St.

Ark., Mena—Albert Middleton erect business building on Mena St. and Janssen Ave.

Ark., Pine Bluff—S. F. Rosenberg of Pine Bluff Produce & Provision Co., 229 Pine St., erect four 1-story store buildings, N. E. cor. Sixth Ave. and Pine St.

Ark., Siloam Springs—Jones Supply Co. plans to erect business building.

Ark., Taylor—S. A. Jeffus erect two brick store buildings.

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Fla., Apopka—C. R. Yonge plans to erect 2-story tile stucco business building on Central Ave.; also stucco plumbing office on rear lot.

Fla., Dade City—Col. R. B. Sturkie plans erection of 2-story store and office building on Fifth St.

Fla., Daytona Beach—John A. Metcalf, Pres. of Manufacturers' Outlet Co., 62 N. Forsyth St., Atlanta, Ga., considering sites for proposed \$350,000 department store building.

Fla., Jacksonville—J. C. Williams, 1704 W. Church St., has permit for \$10,000 store, Church and Davis Sts., for S. Permenter.

Fla., Jacksonville—Victor Zambetti has permit for \$40,000 store building, 21st between Market and Hubbard Sts.

Fla., Miami—W. C. Moorehouse, 144 N. W. 36th St., erect \$10,000 store, N. W. 36th St. at 17th Ave.

Fla., Miami—Centro-Hispano-Americano, 17½ N. W. Fifth St., has permit for \$10,000 business building at 836 N. W. 21st Terrace.

Fla., Miami—Palmer Rosemond, Townley Bldg., erect \$13,000 business building, N. W. 36th St. and 19th Ave.

Fla., Miami—D. M. Edwards, Syracuse, N. Y., dry goods merchant, closed deals through his broker, H. L. Murray, Alhambra Hotel; purchased properties, planning immediate improvement to cost \$300,000 to \$500,000.

Fla., Miami—Tito & Rogers, 1030 N. Bay Shore Drive, erect \$12,000, concrete and steel framing store and office building, 529 N. W. Sixth Ave.

Fla., St. Petersburg—C. M. and R. F. Schroeter, 560 First Ave. N., erect \$22,500, 1-story block, Seventh Ave., South and Third Sts., contain 15 stores.

Fla., Tampa—Charles H. Moorhouse, Zack and Ashley Sts., repair stores on Ashley St., \$25,000.

Ga., Atlanta—M. M. and Charles A. Ewing, 69 N. Forsyth St., erect \$10,000, brick store building at 268 Spring St.

Ga., Midway—J. W. Parrish, Pres. of Commercial Bank, plans to erect business block on south side Railroad St.

Ky., Louisville—Olympic Realty Co. has permit for alterations and additions at 865 S. Third St.; \$25,000.

La., Lake Charles—R. S. McCook, Archt., opened bids for erecting 2-story, brick store and office building for C. M. Walter O. and Mrs. C. D. Moss, 803 Broad St.; W. J. Quick, Swift Bldg., low bidder at \$28,922 for building as shown, \$33,900 for alternate No. 2, and \$32,700 for alternate No. 3.*

La., New Orleans—August Currere, 3000 First St., plans to start work in 2 months on store and residence, First and S. Claiborne Sts.

Md., Baltimore—Adam J. Horn, 15 N. Carrollton Ave., acquired dwelling at 10 S. Carrollton Ave. for conversion for business purposes.

Md., Baltimore—John W. Trageser, 1719 Gorsuch Ave., plans to erect two 1-story buildings on Gorsuch Ave., near Polk Ave.; \$10,000.

Miss., Biloxi—Spark Vignes has plans in progress by Carl Matthes, for brick addition to Specialty Shop.

Mo., Dexter—C. E. and Homer Smith plan erection of business building.

Mo., Kansas City—M. P. Behen, 4005 Warwick Blvd., erect \$12,000, 2-story building, 3825-7 Main St.

Mo., Kansas City—M. J. Fleming erect \$13,000, 1-story building, 3092-S Indian St.

Mo., Kansas City—E. J. Straub, 417 Gloyd Bldg., erect \$10,000 building at 532-4 Troost Ave.

Mo., Kansas City—J. W. Willett erect \$22,000, 2-story building, 3600-10 Broadway.

N. C., Winston-Salem—Harry Gallins erect store building, cor. Wheeler and Cromartie Sts.

Okla., Keota—T. E. McDonald, 119 North St., N. Muskogee, plans to erect 2-story store and office building on site of burned structure.

Okla., Tulsa—Lee Clinton, 1322 S. Guthrie St., and S. P. McBirney, 1606 S. Denver St., have permit for repairs to building, 417-9 S. Main St., \$12,000.

Okla., Tulsa—Dr. C. W. Day, 502 S. Boulder St., and F. W. Dye, 1003 N. Denver St., planning to erect 3 to 5 story business building, 610 S. Main St.

S. C., Rock Hill—J. W. O'Neal and D. C. Johnston purchased Izard Building, Hampton and Main Sts.; will renovate and improve.

Tex., Beaumont—Jefferson Drug Co., O. B.

Sawyer, Pres., Pearl & Liberty Sts., plans to erect \$100,000 building.

Tex., Corpus Christi—Calvert Furniture Co., Guggenheim-Cohn Bldg., will occupy 1-story, 50x125-ft. building, to be erected on site of Bluntzer Building, Chaparral St.

Tex., Dallas—J. B. Wilson, 3626 McKinney St., repair fire damage at 1112-14 Main St., \$15,000.

Tex., Dallas—Elmo C. Tenison, 4845 Gaston St., erect \$15,000, 1-story, brick building, 419-21 Second St.

Tex., Dallas—George E. Shuttles, 4720 Herschel St., erect \$12,000, 1-story, brick and tile addition, 4233 Herschel St.

Tex., Dallas—J. D. Robinson, 109 Martin St., repair fire damage at 513-5 Jackson St.; \$14,000.

Tex., Dimmitt—R. G. B. Fain, Plainview, owner of buildings occupied by Dimmitt Mercantile Co. and Hastings Hay & Feed Co. recently burned, plans rebuilding.

Tex., San Angelo—Otto W. Armour plans to erect \$12,000, 2-story business building.

Tex., San Angelo—R. G. Armour soon start work on \$10,000, 2-story, brick and concrete business building.

W. Va., Welch—Rhodes Realty Co. erect 4-story, 74x100-ft., brick and steel with glazed terra cotta front business building, McDowell St.; 4 storerooms on street level, 3 on second floor, fourteen 3 and 4-room efficiency type apartments above; H. T. Hicks, Archt.

Theaters

Fla., Miami—Pell Mitchell, Box 8538, opens bids about March 12 for \$100,000, 1-story, fireproof, steel and concrete, 85x143 ft. theater building to include 4 stores, N. W. 36th St. and 17th Ave.; equipment and furnishings cost \$50,000, Gerald J. O'Reilly, Archt., Hahn Bldg. (See Machinery Wanted—Building Material; Ventilators; Motion Picture Supplies and Equipment.)*

Fla., Miami—Max Spiegel, J. N. Lummus, 1200 Ocean Drive, Miami Beach, Paul C.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Fla., Miami—Biscayne Bay Lodge, No. 124, A. F. & A. M. P. M. Martens, Chmn., Bldg. Comm., started work on \$150,000 temple, Riverside; 3 stories, 50x150 ft.; stores on first floor; John H. Schulthorpe, Archt., 206 Townley Bldg.

La., Houma—Lennox-Hotard Post, No. 31, American Legion, let contract on cost-plus basis to J. A. Duhe for grandstand at American Legion Park; Wm. K. Burk, Archt., Balter Bldg., New Orleans, probably ready for bids early in March for additional work.*

Bank and Office

Ala., Center—Cherokee County Bank, Roscoe Smith, Pres., erect building; Geo. Wenck, Contr., 710 Lewis St., Chattanooga, Tenn. (Lately incorrectly noted under Ala., Gadsden.)*

Ark., Taylor—Dorcheat Bank erecting brick building.

Fla., Daytona Beach—Peninsula Abstract & Title Guaranty Co., F. J. Weber, Chmn., Bldg. Comm., let contract for \$600,000 office building, S. Palmetto and Cottage Aves., to J. S. Shaw Co., 1185 Ponce de Leon Blvd., Atlanta, Ga.; structural steel, hollow tile, concrete, brick and stone, fireproof, 92x100 ft., steam heat, 2 express elevators, cold water circulating system, compressed air and gas outfits for professional men; W. D. Harper & Co., Archts.-Engrs., American Bank Bldg.*

Fla., Jacksonville—Bayshore Co. remodeling building, 32 W. Forsyth St., for offices; Mellen C. Greeley, Archt., 111 W. Adams St.

La., New Orleans—Canal-Commercial Bank & Trust Co. let contract to O. M. Gwin Construction Co., Union Indemnity Bldg., for \$4,000,000 bank and office building, Baronne and Common Sts.; Italian Renaissance type, 18 stories, 110x235 ft., 3-story banking room, 12 high-speed elevators, 360,000 sq. ft. office space; Emile Well, Inc., Archt., Whitney Bldg.*

La., New Orleans—Following sub-contracts let for \$2,000,000 Pere Marquette store and office building: Interior marble work, Alabama Marble Co., 1701 Ave. A, Birmingham, Ala.; erecting and removing all joist slab form work, Rath Construction Co., Kansas

Taylor, Congress Bldg., and others start work at once on \$300,000, Spanish design, 100x150 ft. theater building, N. W. cor. N. E. Second Ave. and 22nd St.; design by Martin L. Hampton and associates, Miami Realty Board Bldg.

Fla., Miami Beach—Smith Co., Inc., 160 Biscayne Ave., announced plans for Biscayne Plaza Theater, Collins Ave. and Biscayne St., seating capacity 2000; include arcade with stores and concessions; George E. T. Wells, Archt., 124 E. Flagler St.

La., Bastrop—C. J. Goodwin receives bids until March 15 for reinforced concrete, brick, steel and limestone trim Princess Theater building; tile roof, mastic and tile floors; plans and specifications may be obtained from R. L. Simmons, Archt., Elkhart, Ind.

Mo., Dexter—Charles Weeks planning to erect theater building.

Warehouses

Ark., Stuttgart—Standard Grocery Co. erect \$10,000 addition to warehouse.

Fla., Miami—Comillius Thomas, 3215 W. 7th St., erect \$40,000, 3-story, 62x76-ft., reinforced concrete warehouse, 333 N. W. 22nd Lane.

Fla., Tampa—Lykes Bros. Steamship Co., Inc., Gliddens Bldg., has permit for \$20,000 warehouse at foot Morgan St.

Fla., Tampa—W. E. Hamner, 311½ Zack St., has permit for \$175,000 furniture warehouse and showroom, S. Franklin St.

Fla., Tampa—Lee Terminal Corp. erect \$16,000 warehouse on Ellamae Ave.

Ga., Atlanta—Atlanta & West Point Railway erect \$18,000, 1-story, brick warehouse on Sylvan Road.

Tenn., Trezevant—A. H. Jones replace lumber house with storage building.

Tex., Houston—B. A. Reinsner purchased 5-story building at foot of Washington Ave.; remodel into warehouse.

Tex., San Antonio—Southwestern Seating Co., 818 S. Presa St., erect \$10,000 warehouse on Martinez St.

City, Mo.; precast cement spandrels, Algonite Stone Manufacturing Co., 4606 Chippewa St.; bronze and ornamental iron work, Usona Manufacturing Co., 3510 Chouteau St., both St. Louis, Mo.; roofing, Olympia Roofing Co., 317 Burgundy St.; tile work, Jos. Ariatti, 824 Carondelet St.; glass and glazing, Pittsburgh Plate Glass Co., 314 Girod St.; electric work, Hart Enterprise Electrical Co., Inc.; setting all exterior marble, J. C. Valadie, Balter Bldg.; reinforcing steel bars, Ole K. Olsen, 822 Perdido St.; vitrified brick, J. Watts Kearny & Sons, 514 S. Peters St.; heating, A. G. Rose, Union Indemnity Bldg.; plumbing, C. C. Hartwell Co., Ltd., 920 Common St.; lathing and plastering, Bird & Putfark, Hibernia Bldg.; sheet metal work, Holzer Sheet Metal Works, 321 Burgundy St., all New Orleans; stairs and fire escapes, Harris H. Uris Iron Works, 533 W. 26th St.; anchors, Concrete Steel Co., 42 Broadway; column forms, Deslauriers Metal Products Co., Woolworth Bldg., all New York; erecting steel windows, Fenestra Construction Co., E. Grand Blvd. and Griffin St.; steel windows, Detroit Steel Products Co., 1258 Washington Blvd., both Detroit, Mich.; painting, J. P. Sullivan, 2101 Canalport St.; metal doors, Harris Preble Door Co., 2424 W. 22nd St., both Chicago, Ill.; exterior marble, Georgia Marble Co., Bona Allen Bldg., Atlanta, Ga.; millwork, Enochs Lumber & Manufacturing Co., S. State St., Jackson, Miss.; elevators, Otis Elevator Co., 1820 Young St., Dallas, Tex.; mail chute and mail box, Cutler Mail Chute Co., Rochester, N. Y.; S. Scott Joy, Archt., 2001 Pershing St., Chicago, Ill.; Wm. E. Spink, Asso. Archt., 608 Canal-Commercial Bldg., New Orleans; Ferro Concrete Construction Co., Contr., Third and Elm Sts., Cincinnati, O.*

Miss., Gulfport—R. L. Simpson and Geo. Poole let contract to Chevally & Fursden for third floor to office bldg. occupied by Mississippi Power Co., 15th Ave. and 13th St.; H. L. Burton, Archt., 318 Carondelet St., New Orleans, La.*

Miss., Gulfport—Commercial Bank & Trust Co. let contract on cost plus basis to Geo. P. Hopkins to remodel building; Shaw & Woleben, Archts.

Mo., Monett—Ozark Fruit Growers Assn. let contract at \$19,100 to Short, Bramer & Cox for office building; brick, 2 stories, 45x90 ft., concrete floors and foundation, 5-ply

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

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composition tar and gravel roof, vaults, vault lights, ventilators; heating and plumbing to Douglas & Henderson; Geo. F. Reed, Archt., 422-23 Woodruff Bldg., Springfield.*

Mo., St. Louis—McCrary Stores Corp., 1107 Broadway, New York, let contract to Wimmer Contracting Co., Victoria Bldg., for \$385,000 store and office building, Sixth and St. Charles Sts.; 120x104 ft., fireproof, hardwood and concrete floors, caisson foundation, slag roof, hollow and interior tile, metal doors, ventilators, ornamental terra cotta, steel sash and trim, wire glass; heat from Union Electric Light & Power Co.; W. M. Simpson, Archt., 1107 Broadway, New York.*

N. C., Charlotte—Following contracts let for \$1,000,000 First National Bank bank and office building: Structural steel, Newport News Shipbuilding & Dry Dock Co., Newport News, Va.; reinforcing steel, Southern Engineering Co., Dowd Rd., Charlotte; granite, John Swenson Granite Co., Concord, N. H.; exterior sandstone, Glenmont Stone Co.; Lockwood, Greene & Co., 24 Federal St., Boston, Mass.; Piedmont Bldg., Charlotte, etc., and Louis H. Asbury, Realty Bldg., Asso. Archts.; Hunkin-Conkey Construction Co., Contr., Cleveland, O., and Charlotte.*

Tenn., Chattanooga—J. L. Denton and Newton Fryar Transfer Co. have contract to raise structures on site of proposed \$750,000 Chattanooga Savings Bank & Trust Co. building, Market, Broad and Eighth Sts.; Z. W. Wheland, Chmn., Bldg. Comm.; 200x60 ft.; equipment cost about \$200,000; R. H. Hunt Co., Archt., James Bldg.*

Tenn., Knoxville—Fulton Co., Kingston Pike, erect \$25,000 office building, W. Cumberland Ave.; concrete and steel, steel frames and window sashes; also erect laboratory and experimental room; cost \$10,000; J. M. Dunn & Son, Contrs., Broadway and Depot.

Tex., Corpus Christi—J. H. Riggan, People St., let contract at \$35,000 to H. A. Schoenfeld for reinforced concrete, hollow tile and brick Medical Bldg.; 5 stories, 30x50 ft., composition floors, concrete foundation, Barrett specification roof; 1 Otis elevator; Hamon & Ahler, Archts., 410 1/2 People St.; electric work, Wilkins Electric Co.; plumbing, R. J. Hunter, 619 Mesquite St.*

Tex., Houston—Barber Plumbing Co., 906 San Jacinto St., has plumbing and heating contract for \$600,000 Kirby office building for Jesse H. Jones; plastering, Walter Torrey, 2003 Walker St.; Alfred C. Finn, Archt., Bankers Mortgage Bldg.; Hewitt Construction Co., Contr.*

Tex., Houston—Cargill Co., 409 Fannin St., has contract for art metal cage work and interior fixtures for banking quarters in \$3,000,000 Esperson Bldg. under construction; John Ebersson, Archt., 212 E. Superior St., Chicago, Ill.; Harry E. Weaver, Asso. Archt., care owner; A. A. James, Resident Engr.; American Construction Co., Contr., Gulf Bldg.*

Tex., Houston—W. E. Humphreys Co., Second Natl Bank Bldg., has plastering contract for \$700,000 addition to Electric Bldg.; Alfred C. Finn, Archt.; Robt. J. Cummings, Struct. Engr., both Bankers Mortgage Bldg.; Sam D. Cook Co., Contr., Larendon Bldg.*

Churches

Ala., Montgomery—Protestant Episcopal Church of the Ascension, Dr. Pearce N. McDonald, Rector, let contract to Algernon Blair to complete limestone structure; cost \$100,000; furnishings, equipment, etc., \$50,000; nave, Sunday school and foundations completed; Cram & Ferguson, Archts., 248 Boylston St., Boston, Mass.*

Mo., Independence—Reorganized Church of Jesus Christ of Latter Day Saints erecting \$500,000 auditorium, Walnut St. and Grand Ave.; Henry C. Smith, Archt., 1016 Baltimore Ave., Kansas City; L. W. Weeks, Contr., Independence.*

Mo., University City (Station St. Louis)—Bethel Lutheran Church has permit for stone and concrete basement and sub-basement, 201 Big Bend Blvd.; 87.6x70.3 ft., composition roof, steam heat, cost \$20,000; Corrubia & Henderson, Archt., Arcade Bldg.; Dickie Construction Co., Contr., Syndicate Trust Bldg.

Okla., Ada—First Christian Church, Broadway and 13th St., resumed work on building. Address The Pastor.

Okla., Tulsa—Dodge Electric Co., 318 S. Boulder St., has plumbing contract at \$6644 for First Baptist Church for \$250,000 auditorium unit of \$500,000 structure; Clyde H. Woodruff, Archt., Reynolds Bldg., Fort Worth, Tex.; Rucks-Brandt Construction Co., Contr., Mid-Continent Bldg.*

S. C., Leesville—Cedar Grove Evangelical Lutheran Church, Rev. W. D. Wise, Pastor, has broken ground for Gothic type brick

building near Leesville; main auditorium seat 650; Sunday school in basement.

Tenn., Knoxville—Central M. E. Church, South, J. W. Saylor, Chmn., Holston Bank Bldg., let contract at about \$260,000 to J. M. Dunn & Son, Broadway and Depot, for cast stone, terra cotta, brick and stone building, Third Ave. and Laura St.; 3 stories, church 72x82 ft., Sunday school 63x173 ft., wood and concrete floors, concrete foundation, tile or slate roof; furnishings, equipment, etc., \$50,000; R. H. Hunt Co., Archt., James Bldg., Chattanooga; A. B. Bauman & A. R. Bauman, Jr., Supervising Archts., 813 1/2 Market St.; electric work, Standard Electric Co.; plumbing, McGuinn & Richie.

Tex., Big Spring—First M. E. Church let contract to Clarence Epperly, 3501 Barton St., Fort Worth, for completion of \$57,500 brick building; 60x112 ft.; Wm. C. Meador, Archt., Dan Waggoner Bldg., both Fort Worth.*

Tex., Gonzales—First Methodist Church started work on remodeling building; cost \$10,000; Tom Hodges, Contr.

Tex., Wharton—First Methodist Church let contract to C. W. Ennis for 2-story building; 45x89 ft., cement and wood floors, reinforced concrete foundation, built-up tar and gravel roof, hollow tile, plaster board; cost \$35,000; J. M. Glover, Archt., 735 Bankers Mortgage Bldg., both Houston.*

City and County

Md., Baltimore—Board of Park Commrs. started work on \$35,000 elephant house, Druid Hill Park Zoo; plans by Engr. Dept. of Park Board, approved by Theo. Wells Pietsch, Archt., American Bldg.*

N. C., Morehead City—City, Luther Hamilton, Mayor, let contract for \$65,000 city hall to Jones Bros., Wilson; brick and tile, 2 stories, 60x80 ft., concrete foundation, tile roof; heating and plumbing, E. L. Davis & Co., Beaufort; J. W. Thompson, 100 W. Nash St.; Gladding Engineering Co., Archt.-Cons't. Engr., Wilson Trust Bldg., both Wilson.*

W. Va., Huntington—City let contract at \$22,690 to Neighborgall & Leach for 2 fire stations; concrete, brick and stone, 30x50 ft., concrete floors and foundation, composition built-up roofs; J. R. Gieske, Archt., 6th floor, Holswade Bldg.*

Dwellings

Ark., Little Rock—Bracy Real Estate & Building Co., Exchange Bank Bldg., erect 1 stone and 1 brick veneer dwelling, 110-207 Edgewood Rd.; total cost \$12,000; owner builds.

Ark., Osceola—Osceola Lumber Co. erect 10 dwellings near Osceola; Hale Jackson, Contr.

Ark., Paragould—Mrs. J. F. Gerald erect \$10,000 residence; R. C. Jackson, Contr.

Fla., Arcadia—Ed Campbell erect residence, Villa Rica; concrete blocks from DeSoto Concrete & Lumber Co.

Fla., Arcadia—J. H. Brightwell, Vice-Pres., Sunniland Co., erect residence; material on ground.

Fla., Arcadia—Mrs. Edith Scott started work on 2-story residence; slate roof; S. T. Dodd, Contr.

Fla., Babson Park—B. H. Layman, Miami, has contract for 50 dwellings, Cody's Forest Hills development; Spanish type, 5 or 6 rooms; financing by W. M. Jenkins, House Bldg., and J. Paul Butler, both Pittsburgh, Pa.

Fla., Coral Gables—Myers Y. Cooper Co., 409 Union Trust Bldg., Cincinnati, O., has permit for 11 dwellings, Hardee Rd., Leonardo St. and Cellini St.; French type; Mott B. Schmidt, Archt., 14 E. 46th St., New York; also permit for 4 dwellings, Hardee Rd.; Philip Goodwin, Archt., 4 E. 53rd St., New York.*

Fla., Coral Gables (Branch Miami)—A. A. Ungar, 448 N. E. 38th Terrace, erect \$40,000 residence and garage, N. E. 83d St.; A. Robt. Chananie, Archt.; P. J. Davis, Contr., both Calumet Bldg., Miami.

Fla., Coral Gables (Branch Miami)—Augustine Davis, 233 N. E. 14th Terrace, erect \$17,000 residence, 605 Avenue Majorca; S. R. Wyville, Archt.; Vaughn, Gibson & Smith, Contrs.

Fla., Hollywood—Collins Corp. erecting number dwellings; total cost \$88,000.

Fla., Hollywood—J. M. Holding Land Co. erect number dwellings, Hollywood Harbor Lawns; total cost about \$1,000,000.

Fla., Lake Wales—Hugo Vogel, Inc., erect number dwellings, Lake Pierce Estates; work

started on \$16,000 dwelling; H. DeV. Pratt, Archt.; Kirch & Pendleton, Contrs.*

Fla., Live Oak—Walter McCullers erecting 8-room bungalow, Scriven St.

Fla., Live Oak—Miss Ada Mae Roberson plans residence, S. Ohio Ave.; L. G. Robertson, Contr.

Fla., Miami—Williams, Powley & Hamilton erecting dwelling, West Flagler Center; Sajo, Wank & Berz, Archts., Olympia Bldg.

Fla., St. Augustine—D. P. Davis Properties let contract to Foundation Co., 120 Liberty Bldg., New York, 101 Marietta St., Atlanta, Ga., and Box 1064, Davis Shores, St. Augustine, for number dwellings during 1926; first 3 cost \$41,893.

Fla., Tampa—Otto Construction Co. erect 20 dwellings, Elizabeth Court, Temple Terrace; cost \$7000 to \$10,000 each, tile and stucco, Spanish and Italian types; Felton Davis, Archt., Bay Shore Royal Hotel; owner builds.

Md., Baltimore—E. J. Gallagher Realty Co., Munsey Bldg., erect 8 brick dwellings, Ednor Rd.; 2 stories; total cost \$40,000.

Md., Baltimore—Owners Realty Co. erect 10 brick dwellings, Ellicott Drive N. of Mosher St.; 2 stories, 18x32 ft., brick, slag roofs, steam heat; total cost \$25,000; Fredk. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—Jacob Peters erect 7 frame dwellings, S. side Muessen Ave. W. of Glenmore Ave.; 1 1/2 stories, 20x32 ft., steam heat; total cost \$18,000; Callis & Callis, Archts., 2055 Kennedy Ave.; owner builds.

Md., Baltimore—Thos. Mullan, 3945 Greenmount Ave., erect 3 frame dwellings, Bland Ave. near Midwood Ave.; 1 1/2 stories, 25x34 ft., shingle roofs, steam heat; total cost \$10,000; A. L. Blatchley, Archt., 2567 Greenmount Ave.; owner builds.*

Md., Baltimore—Vincent L. O'Connor, Md. State Bank Bldg., erect 8 frame dwellings, Schaffer Ave. near Sefton Ave.; 1 1/2 stories, 26x32 ft., hot-air heat; total cost \$24,000; E. H. Mueller, Archt., 2904 Clifton Park Terrace; owner builds.*

Miss., Biloxi—Jack Kornmann erect 3 Spanish mission type stucco bungalows, Magnolia Heights section; Korner & Lizzana, Contrs.

Miss., Biloxi—Mrs. G. R. Cousins and Miss Anne Cousins erect duplex, W. Water St.; Monroe Swanzy, Contr.

Miss., Biloxi—Karl Dorries completed foundation and basement for brick veneer residence, E. Beach Blvd.

Miss., Biloxi—Clarence Hart erect residence, Hopkins St., near Division St.; Collins Bros., Contrs.

Miss., Biloxi—Mrs. U. S. Joachim erecting residence, Hopkins Blvd.; Collins Bros., Contrs.

Mo., Kirkwood (Ind. Branch St. Louis)—W. R. Skinner, 421 E. Jefferson St., erect \$15,000 frame residence, Argonne St. and Smith Ave.; 2 stories, 33x49.4 ft.; Ewald & Allen, Archts., Rialto Bldg., St. Louis; W. Farris & Co., Contrs.*

Mo., St. Louis—C. A. Koopman, 3709 O'Meara St., erect \$20,000 residence, 4714 Broadway; brick, 2 stories, tile roof, hot-water heat; owner builds.

Mo., St. Louis—J. & M. Peetz, 4143 Shaw St., erect brick residence, 3835 Federer Place; cost about \$10,000, 2 stories, 37x30 ft., tile roof, hot-water heat; G. F. Hayden, Archt.-Contr., 2836 Chippewa St.

Mo., St. Louis—J. L. & L. Zeigenheim, 3316 Iowa St., erect \$15,000 dwelling, 3869 Federer Place; brick, 2 stories, 36x34 ft., slate roof, hot-water heat; F. G. Davis, Archt., 7342 Manchester St.; A. R. Darr Contracting Co., Contr., 4300 Dewey St.

Mo., St. Louis—T. Hurleman, 4109 S. Grand Blvd., erect 4 brick dwellings, 2819-21 Sulphur and 2839-40 Watson Sts.; 2 stories, 23x28 ft., composition shingle roofs, hot air heat; total cost \$14,000; owner builds.

Mo., University City (Station St. Louis)—H. M. Edmunds, 4365 Forest Park St., erect \$10,000 residence and garage, 7121 Westmoreland Ave.; 2 1/2 stories, 48x35 ft., brick, slate roof, hot water heat; Chas. R. Greene, Archt.; B. J. Charleville Building Co., Contr., both 114 N. Seventh St., St. Louis.

Mo., University City (Station St. Louis)—Max Goldman, 212 Title Guaranty Bldg., erect \$20,000 brick residence, 6945 Kingsbury Blvd.; 2 1/2 stories, 34x55 ft., brick, tile roof, furnace heat; Oliver Popp, Archt., 1501 Arcade Bldg.; Pomeroy Construction Co., Contr., 215 Title Guaranty Bldg.

N. C., Black Mountain—W. C. Henry, Durham, remodeling former D. E. Walker home place; cost \$20,000.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

N. C., Black Mountain—J. P. Parker erect \$13,000 residence, Vance Ave.; Dougherty, Greene & Co., Contrs.

N. C., Black Mountain—Dr. Chas. Woodward started work on stucco bungalow, Black Mountain St.; Dougherty, Greene & Co., Contrs.

N. C., Greensboro—Wm. H. Andrews, Jr., W. Market St., erect \$20,000 residence, Woodland Drive, Irving Park; brick veneer, 9 rooms; C. C. Hartmann, Archt., Jefferson Bldg.; J. L. Crouse, Contr., American Bank Bldg.

N. C., Greensboro—H. T. Ireland erect 4 dwellings, Lake Drive; cost \$5000 each, brick veneer, 1 story, 6 rooms, composition roofs; W. W. Williams, Contr., 207 Oak Ave.

S. C., Anderson—Riverside Manufacturing Co., Toxaway Mills, and Ladlassie Mills erect 48 operatives' dwellings, 40 to be on Toxaway property and 8 on Riverside property; total cost \$60,000; work under supervision of A. E. Holleman, engineer of Riverside and Toxaway Mills; work to start at once.

Tenn., Knoxville—Dr. M. C. Wright, Medical Bldg., started work on stone residence, Kingston Pike; several baths; R. F. Graf & Son, Archts., Journal Bldg.; Weaver & McGill, Contrs., Sanson Bldg.

Tenn., Memphis—R. W. Shaw erect \$10,500 English type bungalow, Glenview Park subdivision; Hobbs & Bailey, Contrs.

Tex., Abilene—I. H. Summer erect \$15,000 residence; concrete and stucco, 2 stories, 34x50 ft.; J. F. Hudson, Contr.

Tex., Fort Worth—H. H. Lincoln and Stanley Newsome, both Chicago, Ill., erecting number bungalows, Home Nest subdivision, end of Vaughn Blvd.; to sell for about \$4000 each; plans call for 30, including number already completed.

Tex., Houston—B. B. Gilmer, 3618 Fannin St., erect \$45,000 Spanish type residence; Wm. Ward Watkin, Archt., Scanlan Bldg.; C. G. Streett Construction Co., Contr., National and Center Sts.; plumbing and heating, J. C. Nolan, 4405 Greely St.; electric work, Barden Electric & Contracting Co., 111 Main St.

Tex., Houston—Chester S. Johnson, Sec., Hughes Tool Co., 300 Hughes St., let contract to Crain Ready Cut House Co., Milby and Polk Sts., for \$17,000 residence, Southmore Blvd., Riverside Terrace; plans by Contr.

Tex., Houston—Sam Bassett, 1534 Harold St., Pres., Bassett Lumber Co., let contract to O. P. Steeger, West Bldg., for residence, 3901 Polk Ave.; 2 stories, brick.

Tex., Houston—B. P. Boehm, 1717 Chenervet St., erect Dutch Colonial residence, Amherst Ave., Virginia Court; 2 stories, 6 rooms, brick veneer; contract let.

Tex., Houston—J. W. Lockett, Binz Bldg., let contract for \$27,000 residence, 2311 Rose-dale Ave., to D. A. Crawford, 3004 Crawford St.; 2 stories, brick.

Tex., Houston—L. L. Limbaugh, 3810 Fannin St., erecting English type residence, 2518 Prospect Ave.; Riverside Terrace; brick, 2 stories, 7 rooms, Creole-Dipt. shingle roof.

Tex., Houston—Leo L. Meneley, Contr., erecting \$22,400 English type residence, Kent St. and Bolsover Rd., Southampton; solarium, tile floor.

Tex., Houston—H. C. Vogt, 812 Hawthorne Ave., erecting 2-story residence, 2407 Oakdale Ave., Riverside Terrace.

Tex., Houston—Henry H. Yates, 1213 Wrightwood Ave., erecting dwellings, 1820 Waugh Drive, 2522 Oakdale Ave. and 2518 Prospect Ave.; brick veneer, 6 and 8 rooms, total cost \$30,000.

Tex., Junction—A. L. Bartley erect 3 dwellings and 2 stores.

Tex., Palestine—Dr. E. S. Kane let contract to J. B. Rountree for Colonial residence, Park Ave. and S. Church St.; hardwood floors, built-in features; Theo. S. Maffitt, Archt.

Tex., Waco—Mrs. E. A. Temple erect \$16,000 residence, 1421 Washington Ave.; 2 stories, 8 rooms; W. A. Loving, Contr., 2720 Gorman Ave.

Government and State

Mo., Sedalia—Dean & Hancock, Citizens' National Bank Bldg., have contract for \$10,000 dairy barn at State Fair Grounds.

Hospitals, Sanitariums, Etc.

Mo., St. Louis—Board of Public Service, E. R. Kinsey, Pres., City Hall, let contract to John Hill Construction Co., Syndicate Trust Bldg., for administration building at Isolation Hospital; 4 stories, brick, cost

\$286,000; L. R. Bowen, Ch. Engr.; H. Updike, Steam and Elec. Engr., both City Hall.*

Hotels and Apartments

Ark., Hot Springs—Ed. B. Mooney, Fred J. Fowler and G. C. Smith, all City Hall, completed foundation for \$200,000, 8-story, reinforced concrete, 74x89.5-ft., 117-room hotel, Central Ave. and Broadway; equipment and furnishings cost \$20,000; Mr. Smith, Engr., supervising construction by day labor. (See Machinery Wanted—Building Material).*

Ark., Jonesboro—H. A. Lesmeister contracted with Mrs. Lottie Nash for erection of \$35,000, 2-story, brick, 9-apartment house, Union and Jefferson Sts.; steam heat, electric ranges.

Fla., Frostproof—Dame Engineering & Construction Co., New York and St. Petersburg, started work on \$500,000, 5-story, 100-room Spanish type, 150x100-ft. tourist and commercial hotel, Palm Ave. and Wall St., sponsored by Frostproof Hotel Corp.; 2 arcades on street floor providing 18 rooms or offices; include lobby, mezzanine floor, parlors, palm room, dining room, 2 private dining rooms and kitchen; George Feltham, Archt., Green-Richman Arcade, St. Petersburg; William A. Hoefgen, Lakeland, handling fiscal details.*

Fla., Indrio—Indrio Construction Co. started work on 4-apartment building, Palomar Ave. and Del Alto St.

Fla., Melbourne—Hill & Houghton, Dixie Highway, erecting \$18,000 to \$20,000, 2-story, 36x45 ft., 4-apartment house; hardwood floors, composition roof, stone and concrete block foundation; Hugh Josephs, Archt., Dixie Highway.*

La., New Orleans—Louisville & Nashville Railroad let contract to W. Horace Williams Co., Inc., 816 Howard Ave., for \$20,000 boarding house on Gentilly Blvd. and Gentilly St.

Fla., Miami Beach—Normandy Beach Properties, Inc., 201 E. Flagler St., has permits for 3 apartment houses in Normandy Beach subdivision; concrete block and tile construction, 3 stories; one accommodate 19 families, \$55,000; 14 apartments, \$50,000, and 14 apartments, \$45,000.

Tex., San Antonio—Smith Brothers Development Co. excavating for 12-story and basement, concrete frame, fireproof, 50x150-ft. hotel, St. Mary's and Villita Sts., cost \$600,000 without furnishings and equipment; clay tile on gypsum block roof, tile terrazzo, concrete and carpet flooring, hollow tile, metal doors, wire glass, mail chutes, vault lights, marble, cast stone, 230 guest rooms with private baths, circulating ice water, 3 passenger and 1 freight elevator; Atlee B. & Robt. M. Ayres, Archts., 626-7 Bedell Bldg.; W. E. Simpson Co., Engrs.; McKenzie Construction Co., Contrs., 816 Travis Bldg.*

Fla., St. Augustine—D. P. Davis Properties, care D. P. Davis, 502 Franklin St., has permits for following buildings, included in \$5,000,000 building program: \$300,000, Ponce de Leon 39-apartment building, Lot 1, Block 19, Davis Shores; \$41,444, 6-apartment building, Lot 7, Block 13; \$27,398, 4-apartment house, Lot 17, Block 5; \$23,956, 4-apartment house, Lots 9 and 10, Block 13; Foundation Co., Contrs., 120 Liberty St., New York, and 101 Marietta St., Atlanta, Ga.*

Fla., West Palm Beach—Northwood Investment Co., D. F. Dunkle, Pres., will erect 3 apartment buildings; Harvey & Clarke, Archts., Guaranty Bldg.; J. S. Willson Co., Contrs.*

Ky., Louisville—Southern Baptist Theological Seminary, Lexington Road, let contract to Struck Construction Co., 147 N. Clay St., for \$300,000, brick and concrete, 3-story apartments, Godfrey Ave., Stilz Addition; Arthur Loomis, Archt., Todd Bldg.*

Miss., Biloxi—Mrs. G. B. and Miss Anne Cousins let contract to Monroe Swanzy for duplex apartment house on W. Water St.*

Miss., Laurel—Pinehurst Operating Co., Fifth Ave., T. B. Horton, Pres., erecting \$40,000, 4-story, brick, tile and concrete addition to Pinehurst Hotel; 25 rooms with bath, 2 stores on ground floor, tile and composition roofing; L. W. Duffee, Archt.; C. S. Norman, Contr.; equipment cost \$15,000; major items to be purchased include 25 sets complete furniture, telephones and bathroom fixtures; Laurel Brick Works, furnish brick.*

Mo., St. Louis—F. J. Doubek, 4217 Shandoah St., let contract to Doubek Bros., same, for \$12,000, 2-story, brick, 40x87-ft. tenement, 3675 Fillmore and 6002 Dewey St.; gravel roof, steam heat; G. Schaumberg, Archt., 3633 Connecticut St.

Mo., St. Louis—A. Vavarka, 2523 S. Broad-

way, let contract to W. F. Clodius, 2604 Cherokee St., for two 3-story, brick, 25x76-ft. stores and tenement, 2523 S. Broadway; \$10,000; gravel roofs.

Mo., St. Louis—B. Koplan, 802 Chestnut St., let contract to Harris Realty Co., same, for \$10,000, 2-story, brick, 51x40-ft. tenement, 3655-9 Blaine St.; composition and gravel roof, furnace heat.

Mo., St. Louis—Kuhn & Kuhn, 5808 Columbia St., erect two \$10,000, 2-story, brick, 34x51-ft. tenements, 4950-4 Winona St.; gravel roofs, hot-air heat; owner builds.

Mo., St. Louis—S. Martin, 2009 John St., let contract to Sherman & Appel, 7415 Wise St., for \$10,000, 2-story, brick, 22x46-ft. tenement, 2011 John St.; tar and gravel roof, hot-water heat.

Mo., St. Louis—J. A. Pastel, 819 Chestnut St., let contract to Sachse Construction Co., 1194 Arcade Bldg., for \$10,000, 34x50-ft., 2-story, brick tenement, 4760-2 Maffitt St.; gravel roof, hot-air heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—A. F. Lerner, 6229 Delmar Blvd., erect four 2-story, brick, 34x41 ft. tenements, 5552-64 Ashland St.; tar and gravel roofs, hot air heat; Mr. Thurston, Archt., Webster Groves; owner builds.

Mo., St. Louis—Missouri Realty & Construction Co., 6117 Page St., erect six 2-story, 23x45 ft. tenements, 2530-38 and 2622-6 Burd St.; \$36,000; also five 2-story, 23x45 ft. tenements, 2619-29 Burd St.; \$30,000; gravel roofs, furnace heat; owner builds.

Mo., St. Louis—V. H. Rhodes, 6240 Delmar Blvd., is Archt.-Builder for \$30,000, 3-story, 38x111 ft., brick tenement, 5533-5 Cates St.; composition roof, steam heat.

Mo., St. Louis—W. M. Smith, 1365 Montclair St., erect \$10,000, 36x42 ft., 2-story, brick tenement, 4343 Prairie St.; gravel composition roof, hot air heat; owner builds.

Mo., St. Louis—A. Spenter, 819 Chestnut St., let contract to Sachse Construction Co., 1194 Arcade Bldg., for \$12,000, 31x48-ft., 2-story, brick tenement, 1118-22 Bayard St.; gravel roof, hot-air heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—E. Hewson let contract to T. H. Ratz, 917-A Pine St., for \$19,000, 3-story, brick, 46x49-ft. stores and tenement, 4360-2 Olive St.; composition roof, steam heat; Hoener, Baum & Froessl, Archts., Grand and Leclade Sts.

Mo., St. Louis—May Building & Investment Co., 808 Chestnut St., erect two 3-story, brick, 29x100-ft. tenements, 5734-40 Cates St.; \$60,000, gravel roofs, steam heat; owner builds.

Mo., St. Louis—Richardson Building Co., 5200 Nottingham St., erect 11 two-story, brick, 23x45-ft. tenements, 5312-52 Itaska St.; tile roofs, furnace heat.

S. C., Rock Hill—Walton Engineering Co. has contract for installation of heating and plumbing, at about \$30,000, in community hotel, for which Southeastern Construction Co., 210 W. Second St., Charlotte, has general contract at \$261,389; Wilson, Berryman & Kennedy, Archts., Palmetto Bldg., Columbia, S. C., and I. O. O. F. Temple, Raleigh, N. C.*

Tex., Houston—C. J. Frankel erecting \$18,700, 2-story, frame and brick veneer, 41x42-ft. apartment house on Austin St., Blodgett Park; oak, tile and composition flooring, reinforced concrete foundation, composition shingle roof; plans and construction by The Bilt-Well Co., both Electric Bldg. (See Machinery Wanted—Flooring (Linoleum, Rubber Tile and Composition); Electric Refrigerators.)*

Tex., Panhandle—M. J. Jarett, 1316 Jackson St., let contract to W. F. Janzen, 1905 Fillmore St., for 2-story, 30x80-ft., hollow tile and stucco hotel building; M. C. Parker, Archt.; all Amarillo.*

Tex., San Antonio—Mrs. Ruth Meehan, 409 Pecan St., let contract to M. E. McEachern, at \$20,000, for 45x54-ft., 2-story, stucco building, contain 19 fully equipped apartments.*

Tex., Wichita Falls—Mrs. Lillis Morgan, Morgan Bldg., let contract to Reid & Costley, 520 Staley Bldg., at about \$140,000, for remodeling and construction of 2-story addition on present 6-story building; 51x150 ft.; Hoffman Co., heating and plumbing; Voelcker & Dixon, Archts., Kahn Bldg.*

Miscellaneous

Fla., Flagler City—Bleekman-Robinson Syndicates, Inc., started work on \$25,000 restaurant and buffet on Dixie Highway; Spanish design; Roy N. Springer will have charge.

Fla., Miami—Miami Athletic Club Board of Directors, S. M. Tatum, Pres., 194 S. E.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

14th St., let contract to George A. Fuller Co., 949 Broadway, New York, and Daily News Bldg., Miami, for \$1,000,000 club building, Fourth St. and Bayshore Drive; steel, limestone, terra cotta, hollow and interior tile, metal ceilings and doors, steel sash and trim, wire glass, electric refrigerators, mail chutes, dumb waiters, marble, terra cotta trim, floors of tile, concrete and terrazzo; John Ebersohn, Archt., 212 E. Superior St., Chicago, Ill.*

Fla., Miami Beach—Munson Steamship Co., 106 S. E. First St., Miami, let contract to Beach Construction Co., Fisher Bldg., for dining room for employees and building to contain showers and toilets, on harbor terminal island; \$10,000.

N. C., Durham—Hall-Wynne-White Co., Morris St., let contract to N. Underwood for \$40,000, 2-story, 40x100 ft., brick with limestone trimmings funeral home on W. Main St.; C. M. Euler, Archt., both First Nat'l Bank Bldg.

Tex., San Benito—M. A. Thompson started foundation for \$8000, 1-story, 50x50-ft., brick and concrete funeral home; concrete and hardwood floors, concrete foundation, interior tile, ornamental terra cotta; equipment and furnishings cost \$2500; major items to be purchased include seating for chapel, floor paint.*

Va., Harrisonburg—Harrisonburg Massanutten Golf Club broke ground for \$15,000, 1 and 2 story, 62x82-ft. clubhouse; stone walls, hardwood floors, stone foundation, Johns-Manville asphalt roof. Address equipment proposals to H. L. Dechert; plans and construction by Nielson Construction Co.; Valley Plumbing & Heating Co., plumbing; W. Trobault, electric work.*

Railway Stations, Sheds, Etc.

Tex., Houston—Southern Pacific Rwy. Co., Co. H. M. Lull, Ch. Engr., reported let contract to Dwight P. Robinson Co., 125 E. 46th St., New York, for construction of \$1,000,000 freight terminal system on north side Buffalo bayou at San Jacinto St.; consist of 2-story, reinforced concrete and brick head house and office, 202x40 ft. facing San Jacinto St.; 1080x45 ft., steel and concrete inbound freight house, of which 400 ft. will be 2 stories; 1140x28 ft., 1-story outbound freight warehouse; 1100x14 ft., concrete and steel transfer platform with shed covering; freight warehouses and platforms will be equipped with 12 five-ton and ten 2½-ton scales; concrete basement for use of employees under inbound freight house, provide lavatories, heating plant, locker rooms and equipment.

Tex., Port Neches—Kansas City Southern Ry. Co., A. N. Reece, Ch. Engr., Kansas City, Mo., started work on new station.*

Schools

Ala., Birmingham—Board of Education, D. E. McKinley, Bus. Mgr., let following contract for Baker School addition in Ensley: W. L. Coston, general, \$60,967; T. J. Reese, Plumbing, \$3553; Tully Plumbing & Heating Co., 1522 Third Ave., N., heating, \$10,997; Alabama Supply Co., electric wiring, \$2762; for Lincoln Colored School: D. D. Thomas & Son, 2317 Eighth Ave., N., general, at \$98,881; Meck Plumbing & Heating Co., plumbing and heating, \$13,132; Alabama Supply Co., 1918 Fourth Ave., N., electric wiring, \$2756; Wm. B. Ittner, Archt., Board of Education Bldg., St. Louis, Mo.; Ben Price, Age-Herald Bldg., Asso. Archt. for Baker School, and Warren, Knight & Davis, Empire Bldg., Asso. Archt. for Lincoln.*

Ala., Fort Payne—De Kalb County Board of Education started work on 16-room high school at Geraldine.

Fla., West Palm Beach—Palm Beach County Board of Public Instruction, J. A. Youngblood, Supt., authorized city to construct temporary building for children of Bacon Park tourist camp on Bunker Road; probably let contract to M. B. Cole.

Ky., Millersburg—E. T. Sheeler Construction Co. has contract for construction of stadium at Millersburg Military Institute.

La., Baton Rouge—Louisiana State University, R. L. Himes, Sec., Building Committee, let contract to D. E. Chapman, 840 Wax St., at \$16,869, for 2-story, brick residence on campus; also to L. W. Eaton, 401 Goldenrod Ave., at \$5440, for 1-story, frame cafeteria manager's home; Wogan & Bernard, Archts., Old Raymond Bldg.*

La., New Orleans—Orleans Parish School Board let contract to Thomas H. Brockman, Hibernia Bldg., at \$290,000, for 3-story, brick McDonogh No. 9 School, Tontit, Onzago, D'Abadie and Rocheblave Sts.; E. A. Christy, Supv. Archt. of Board, City Hall Annex.*

Miss., Philadelphia—Otto A. Steward, Supt. of Schools, let contract to G. F. Hays & Son,

Union, at \$43,326, for 2-story, brick high school building; Alex Kerr, heating, plumbing and wiring at \$7808; P. J. Krouse, Archt., Meridian.*

Miss., Raymond—Hinds County Agricultural High School, H. V. Watkins, Pres. of Board of Trustees, let contract to E. G. Parrish Construction Co., Jackson, Tenn., at \$122,900, for erection of administration building and alterations and additions to present administration and girls' dormitory building; J. M. Spain, Archt., Millsaps Bldg., Jackson, Miss.*

Mo., Kansas City—Arthur McKinley Plumbing & Heating Co., 1012 Troost St., has \$55,555 heating contract, and MacMahon Co., \$32,600 plumbing contract, in erection of Northeast Junior High School.*

N. C., Keananville—Duplin County Board of Education, B. C. Siske, Supt., let contract to Palmer-Spivey Construction Co., 124 Eighth St., Augusta, Ga., for 16-room building at Keananville and 18-room building at Chinquapin; \$125,000; L. N. Boney, Archt., Mur-chinson Bldg., Wilmington.*

N. C., Seagrove—Randolph County Board of Education let contract to Burrow & Lamb, both Asheboro, at \$29,895 for consolidated high school building; also heating, \$3747, and plumbing, \$1900.

S. C., Great Falls—School Board recently let contract to W. T. Beamguard, Clover, at \$75,000, for 3-story, brick and hollow tile, L-shape, 161x113-ft. grammar school building; Barrett roof, Tupelo gum flooring, concrete foundation, cast stone, limestone, hollow tile, metal ceilings and doors; L. L. Barr Co., 19 W. North St., Greenville, heating and plumbing; Pryor Electric Co., Rock Hill, electric work; H. D. Gilchrist, Archt., Rock Hill; equipment and furnishings cost \$5000.*

Tex., Rosenberg—Board of Education, Taylor Ray, Pres., let contract to J. A. Carter, on cost-plus basis, for 1-story, brick and hollow tile, 10-room school building; Endress & Cato, Archts., 831 Bankers Mortgage Bldg., Houston.*

Tex., La Feria—Board of Education recently let contract to Homer L. Fitch, Brownsville, at \$39,500, for 1-story, 67x224 ft., 8-room and auditorium junior high and 4-room ward schools; wood and concrete floors, specification roof, concrete foundation, face brick, hollow tile, metal ceilings, steel sash and trim, folding partitions, cast stone; Stebbins & Waters, Archts., Weslaco; Willard Simpson, Engr., Natl Bank of Commerce Bldg., San Antonio.*

Tex., Weimar—Weimar Independent School District Board of Trustees let contract to A. N. Evans, Columbus, at \$54,385, for 2-story, brick and hollow tile, 13-room and auditorium school building; W. M. Paulson, Columbus, plumbing, \$3375; Weimar Power & Light Co., wiring, \$1051; Fox-Schmidt Co., San Antonio, heating, \$5729; Glesecke & Harris, Archts., Littlefield Bldg., Austin.*

Stores

Ark., Blytheville—H. B. Ingram, Conway, erect \$60,000, 2-story, brick and stone, 60x194 ft. building, Main and First Sts.; stores on first floor, offices and apartments above; concrete foundation, built-up roofing, concrete, tile and hardwood flooring; Charles L. Thompson, Archt., Southern Trust Bldg., Little Rock; M. B. Beeman, Contr., Blytheville. (See Machinery Wanted—Building Material.)*

Fla., Coral Gables—Andrew Thompson, 349 W. Flagler St., let contract to John C. Cuthbert Construction Co., 22 Avenue Antiquera, for \$28,000 store and office building, 131 Alhambra Circle.

Fla., Lakeland—N. L. Snelton erect 2-story, hollow tile and stucco building, Tennessee Ave. and Lemon St., for Telfair Stockton Co., 329 Laura St., Jacksonville, contain 7 stores and 17 offices; \$50,000, 50x100 ft., Italian-Spanish type.

Fla., Miami—G. H. Haley, Contr., erect Coolidge Bldg., 4 stores, W. Flagler St., \$10,000.

Fla., Stuart—C. B. & E. K. Clyma, First St., erecting \$20,000, 3-story, 30x100 ft., tile and stucco furniture store building, First St.; composition roof, concrete floors; B. D. Keck, Archt.; Floyd Ferris, Engr., both Flagler St.; S. A. Mathews, Contr.; half complete.*

Fla., Tampa—Felton Davis, Archt., Bay Shore Royal Hotel, let contract to Otto Construction Co., Temple Terrace, for \$35,000, 1-story, hollow tile stores building, for United Market, care J. N. Rosenblatt.

Fla., West Palm Beach—M. B. Brotsky, Dixie Highway and Seventh Ave., has contract for block of stores on Dixie Highway from Seventh to Eighth Aves.

Ga., Macon—Broadway Development Co.,

Gates Waxelbaum, Pres., 815 Orange St., let contract to R. H. Smallings Sons for remodeling brick buildings, Broadway and Poplar St., into 16 stores; \$30,000, 100x210 ft.

La., Lake Charles—Adolph See, 1317 Ryan St., has contract for \$62,000, 2-story with mezzanine Miller Building on Ryan St.; A. G. Wachsen, 723 Broad St., represents owners; F. W. Steinman & Son, Archts., 516 Kyle Bldg., Beaumont, Tex.*

La., Shreveport—S. J. Harman, 118 Milam St., let contract to W. H. Werner, Commercial Bank Bldg., at \$18,900, for 2-story, brick and reinforced concrete, 40x135 ft. business building; J. P. Annan, Archt., Slattery Bldg.

Mo., Dexter—Fraternal Realty Co., Inc., O. C. Stuart, Pres., erecting 2-story, brick building, first floor for business purposes, lodge hall above. (See Machinery Wanted—Building Material.)

Mo., St. Louis—McCrary Stores Corp., 4-story store and office building, Sixth and St. Charles Sts.; W. M. Simpson, Archt., both 1107 Broadway, New York; Wimmer Contracting Co., Contr., Victoria Bldg. (See Contracts Awarded—Bank and Office.)*

Mo., St. Louis—Hewson Realty Co., Wainwright Bldg., started work on first unit of building on Olive St., cost \$50,000, contain 2 stores and 4 apartments; Hoener, Baum & Froese, Archts., 3605 Laclede Blvd.

Mo., Kansas City—McGee & Gilmotte, Title & Trust Bldg., erect 1-story, brick, 40x51 ft. shops building, 36th and Poses Sts.; S. B. Tarsel, Archt., 508 Continental Bldg.; Charles E. St. John, Contr., 320 Ridge Bldg. (See Machinery Wanted—Building Material.)*

N. C., Charlotte—J. H. Wearn, 308 E. Trade St., let contract to J. A. Jones Construction Co., Realty Bldg., for \$40,000, 40x115-ft., 4-story building on E. Trade St., to be occupied by Banner Furniture Co.

S. C., Charleston—Louis D. Rubin Electrical Co., 345 King St., let contract to Dawson Engineering Co., 21 Broad St., for remodeling 1-story, 24x168 ft. Princess Theater building, 304 King St., in store; \$8000; equipment and furnishings cost \$5000.*

Tenn., Knoxville—Ellis & Earnest, Church St., let contract to S. D. Cox & Co., Empire Bldg., for \$12,000 brick building, Cumberland Ave. and Seventh St.; A. B. Baumann, Jr., Archt.

Tex., Asherton—J. G. Sullivan erect \$25,000 2-story, brick and reinforced concrete store and apartment building with day labor; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.

Tex., Bertram—George White, Pres. of Farmers' State Bank of Bertram, contracted with John W. Drew for erection of brick business building.

Tex., Corpus Christi—John Sagarin let contract to R. Uveda for \$12,000, 2-story, brick and tile, 75x100-ft. building on Leopard St.

Tex., Fort Worth—Sam Bernstine, 322 Touraine Bldg., excavating for \$25,000, 2-story, brick and hollow tile, 50x100 ft. business building, Burnett and Weatherford Sts.; Barrett roof, concrete foundation, wood on concrete floors; C. M. Love & Co., Archts., 304 S. Florence St.; Bryan Burnett Co., Contrs., 322 Touraine Bldg. (See Machinery Wanted—Building Material.)*

Tex., McAllen—M. R. Nelson has contract for \$11,000 brick and concrete store and apartment building.

Tex., Pharr—J. T. Doster, 1 E. Hanover Circle, Birmingham, erecting 3 business buildings; Langoria & Co., Contrs.

Tex., Waco—Dora Behrens, 1829 Washington St., erect \$20,000, 2-story, brick, 58.2x103 ft. stores building, Fifth and Spreight Sts.; composition roof, wood, tile and cement floors; work by day labor. Address proposals to C. H. Cox, Seventh St. and Mary Ave. (See Machinery Wanted—Postoffice Fixtures; Tile Flooring; Hardwood Flooring.)*

Va., Roanoke—J. F. Barbour & Sons, 400 Lafayette St., South Roanoke, erecting 4-story, \$75,000, reinforced concrete building at 309 W. Campbell Ave.; outside of face brick with terra cotta cornices, 1 elevator.

W. Va., Gary—Green & Stowe, Contrs., Welch, erecting addition to Gary No. 3 store of United Supply Co.; following contracts let for remodeling present building: Crane Co., 336 S. Michigan Blvd., Chicago, bath-room fixtures; Edwards Manufacturing Co., Fifth and Culvert Sts., Cincinnati, electrical fixtures; Truscott Steel Co., Youngstown, Ohio, copper trimmings; Taylor & Dean, 2428 Pennsylvania Ave., stairway; Pittsburgh Plate Glass Co., Frick Bldg., plate glass for store front; American Radiator Co., 339 Second Ave., plumbing supplies; Bernard-Gloekler Co., store fixtures, all Pittsburgh, Pa.; International Steel & Iron Co., Evansville, Ind., office lighting equipment; Keys Planing

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Mill Co., Bluefield, Va., doors and other mill work; Bailey Lumber Co., Bluefield, W. Va., lumber; Kingsport Brick Co., Kingsport, Tenn., brick; Marshall Elevator Co., elevator; U. S. Rubber Co., 1790 Broadway, New York, rubber flooring.*

Theaters

Mo., Maryville—James R. Cook, Box 425, started work on 2-story, \$25,000, 44.5x132 ft., brick and cement theater building, Main St.; concrete foundation, composition roof; Boller Brothers, Archts., West 14th St., Kansas City; Henry L. Foster, Supt. of Construction. (See Machinery Wanted—Building Material; Ventilators; Sprinklers.)*

Mo., Moberly—George W. Sparks, 207 N. Clark St., let contract to Eberhardt Construction Co., Salina, Kansas, for \$50,000, 2 and 3-story, 60x100-ft., fireproof, brick and reinforced concrete theater building; Boller Bros., Archts., Ridge Bldg., Kansas City.*

S. C., Greenville—D. W. Grace erecting \$10,000, 125x50 ft., 1-story theater on National Highway; metal sides and roofing.

Warehouses

Fla., Miami—E. R. Wolf, 3020 N. E. Third Ave., erect \$50,000, 40x86 ft., 8-story, reinforced concrete warehouse, 251 S. W. First Court; Wolfe Construction Co., Contrs., S. W. Second St.

Fla., Sebring—B. J. Hartshow and F. G. Buntt erect \$19,500, 1-story storage house on Pomegranite St.; J. P. Stanley, Contr.

La., New Orleans—Truscon Steel Co., Carondelet Bldg., let contract to Lionel F. Favret, Louisiana Bldg., at \$9237, for metal warehouse, Tchoupitoulas and St. Joseph Sts.; Emile Weil, Archt., Whitney Bldg.

Miss., Biloxi—T. G. Bush Grocery Co. erecting 1-story, brick warehouse at Fayard and Railroad Sts.; R. A. Van Scotter, Contr.; Carl E. Matthes, Archt.*

N. C., Durham—Liggett & Myers Tobacco Co., C. H. Livengood, local Supt., recently let contract to John P. Pettyjohn & Co., 212 Eighth St., Lynchburg, Va., for \$100,000, 2-story, 120x540 ft., steel, wood and brick

storage building; roofing and sheet metal work to E. J. Latta Roofing Co. Chapel Hill Rd.; painting, D. C. May, Morgan and Roney Sts.; John D. Briggs, Archt., 119 N. Dawson St., Raleigh.*

N. C., Greenville—J. N. Gorman & Sons will erect 1-story and basement, 50x380 ft. auction warehouse; steel frame, galvanized sides and ends, concrete floor, steel sash, brick foundation, concrete floors, asphalt roof; owners building. (See Machinery Wanted—Building Material.)*

Okla., Oklahoma City—M. E. Lanning, 434 E. Keith St., Norman, erect \$35,000, 2-story, brick and concrete, fireproof, 90x78x65-ft. warehouse, 300 E. First St.; concrete floors, foundation and roof; C. Cableman, Archt., 300 E. First St. (See Machinery Wanted—Building Material; Elevator; Sprinklers.)

Tenn., Knoxville—Edelen Transfer & Storage Co. let contract to Weaver & McGill for \$100,000, 6-story, concrete and steel, fireproof storage warehouse, 711 N. Broadway; 100x150 ft.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Air Compressor.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 10x10 belt-driven air compressor.

Air Compressors.—Exchange Machinery Co., Box 2533, Station A, Jacksonville, Fla.—Wants prices on portable air compressors.

Air Gauge.—McClinton Sales Corp., 300 S. Fifth St., Fort Smith, Ark.—Wants to contract for manufacture of device known as "Pittman Automatic Air Gauge."

Bollers.—See Water-Works Equipment.

Art Glass Windows.—Rev. E. C. Swann, Pastor, First M. E. Church, South, Ozona, Tex.—Wants prices on art glass windows for \$33,000 church.

Baling Press.—W. M. Smith & Co. (Mchy. Dealer), First Ave., Birmingham, Ala.—Wants one used hydraulic baling press for handling tin cans.

Blackboards.—A. Babin, Archt., Blanchette Estate Bldg., Beaumont, Tex.—Wants prices on blackboards for \$100,000 St. Anthony Catholic high school building.

Blower.—Hackley Morrison (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one belt-driven pressure blower, 6 to 8 in. discharge.

Boller.—Catawba Cotton Mills, J. P. Yount, Pres., Newton, N. C.—Wants prices on one 84-in. by 20-ft. horizontal return tubular boiler, to stand 125-lb. pressure, Hartford inspection; second-hand.

Brick-Making Machinery.—Walter Sibert, 148 Granby St., Norfolk, Va.—Wants prices on brick-making machines; correspond with manufacturers.

Bridge.—San Antonio, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Bastrop, La. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Jena, La. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Del Rio, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bronze and Brass Castings.—S. H. Hinant, Sr., Jacksonville, Fla.—Wants to contract for manufacture of bronze and brass castings.

Building Material.—M. E. Lanning, 434 E. Keith St., Norman, Okla.—Wants prices on hollow tile, metal doors, steel sash and trim, wire glass, concrete and cast stone for \$35,000, 2-story warehouse, Oklahoma City.

Building Material.—J. N. Gorman, Greenville, N. C.—Wants prices on concrete, steel sash and trim and wire glass for 150x380-ft. warehouse.

Building Material.—Claiborne & Taylor, Inc., Contrs., Atlantic Life Bldg., Richmond, Va.—Wants bids on all lines of work until March 5 for \$150,000 Cavalier Hotel, Alderson, W. Va.

Building Material.—Charles E. St. John, 320 Ridge Bldg., Kansas City, Mo.—Wants prices on terrazzo and concrete flooring, hollow tile, wire glass and plaster board.

Building Material.—H. B. Ingram, Conway, Ark.—Wants prices on interior tile, metal ceilings, marble, cast stone and hardwood and tile flooring for \$60,000 store, office and apartment building, Blytheville.

Building Material.—Bertram C. Hill, Archt., Liggett Bldg., Dallas, Tex.—Wants prices on tile and hardwood flooring, marble and limestone, for \$50,000 apartment building for Dr. W. W. Shortal, 6005 Swiss St.

Building Material.—Thomas P. Florida, Sec.-Treas., & Gen. Mgr., Meyer-Florida Hotel Co., Columbus, Miss.—Wants prices on hollow and interior tile, steel sash and trim, wire glass, marble, cast stone, terra cotta trim and tile and concrete flooring for \$650,000, 11-story hotel at Meridian.

Building Material.—Sam Bernstine, 322 Tourane Bldg., Fort Worth, Tex.—Wants prices on hollow tile, metal ceilings and metal doors for \$25,000-business building.

Building Material.—Rev. J. J. Creed, Pastor, Anglin Street M. E. Church, South, Cleburne, Tex.—Wants prices on all kinds of building material, including sand, cement, metallic ceiling, flat roofing, church windows, lifting or rolling partitions, concrete, hardwood, linoleum and composition floors for \$10,000 cement block Sunday school.

Building Materials.—Sans Souci Construction Co., H. C. Bennett, Sec., Punta Gorda, Fla.—Wants data and prices on all kinds of materials used by general contractors.

Building Material.—J. W. Northrup, Jr., West Bldg., Houston, Tex.—Wants prices on hollow tile, steel sash and trim, tile, concrete, hardwood and linoleum floors, cast stone, electric refrigerators for \$19,000 residence.

Building Material.—Espedahl & Espedahl, 116½ Orange Ave., Daytona Beach, Fla.—Wants prices on hollow and interior tile, tile, concrete, hardwood and linoleum floors, cast stone for \$50,000 Masonic Temple.

Building Material.—Pell Mitchell, Box 8538, Miami, Fla.—Wants prices on interior tile, metal ceilings and doors, wire glass, rolling partitions, cast stone, terra cotta trim and flooring of tile, terrazzo, concrete, hardwood, linoleum and rubber tile for \$150,000 theater building.

Building Material.—David S. Castle Co., Archts., Alexander Bldg., Abilene, Tex.—Wants prices on tile, terrazzo, concrete, hardwood and composition flooring, hollow tile, metal doors, steel sash and trim, wire glass, marble, cast stone, limestone, terra cotta trim for \$100,000 school at Tahoka.

Building Material.—Harvey P. Smith, Archt., National Bank of Commerce Bldg., San Antonio, Tex.—Wants prices on hollow and interior tile, metal ceilings, steel sash and trim, cast stone and flooring of tile, concrete and composition for \$60,000 high school at Taft.

Building Material.—A. Babin, Archt., Blanchette Estate Bldg., Beaumont, Tex.—Wants prices on hollow and interior tile, cast stone and tile, concrete and composition flooring for \$100,000 St. Anthony Catholic high school.

Building Material.—O. C. Stuart, Pres., Fraternal Realty Co., Inc., Dexter, Mo.—Wants prices on building material for 2-story, brick store and lodge hall building.

Building Material.—Holland Bros., Box 1448, Bradenton, Fla.—Wants prices on hollow tile, brick, roofing tile, cement, lime, plaster, sand, gravel, Keene cement, stucco, waterproofing builders' hardware, etc., for 20 dwellings; cost about \$10,000 each.

Building Material.—Ed. B. Mooney, City Hall, Hot Springs, Ark.—Wants prices on hollow tile, metal ceilings and doors, steel sash and trim, marble, ventilators, steel bars, floor tile and concrete for \$200,000, 6-story hotel.

Building Material.—James R. Cook, Box

425, Maryville, Mo.—Wants prices on interior tile, metal ceilings and doors, steel sash and trim, plaster board, terra cotta trim; also flooring of tile, concrete, hardwood and composition for \$25,000, 2-story theater.

Builders' Hardware.—See Building Material.

Cafeteria Equipment.—See School Supplies and Equipment.

Candy-Making Machinery.—Yokum Candy Co., Yokum, Tex.—Wants prices on machinery for making candy; specialize in stick candy.

Cars.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants eight 2½-yd. all steel side dump quarry cars.

Cast Iron Manhole Frames and Covers.—Washington Suburban Sanitary Commrs., Evans Bldg., Washington, D. C.—Receives bids March 12 for furnishing 200 cast iron manhole frames and covers.

Cast Stone.—See Building Material.

Casters.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 11 for 1100 casters, Colson Co.'s M-1218 or equal, rubber tired.

Cement.—See Building Material.

Channelling Machine.—See Stone-Working Machinery.

Church Furnishings.—Rev. E. C. Swann, Pastor, First M. E. Church, South, Ozona, Tex.—Wants prices on auditorium seats, several hundred chairs, 3 pianos, tables, etc., for \$33,000 church.

Clayworking Machinery.—See Brick-Making Machinery.

Coal and Ash-Handling Equipment.—See Water-Works Equipment.

Composition Flooring.—L. P. Tapp, Chmn., Executive Committee, Caswell Training School, Kinston, N. C.—Wants proposals until March 10 for composition flooring for exercise rooms in Low Grade Building; plans and specifications may be secured from Benton & Benton, Archts., Fidelity Mutual Bldg., Wilson.

Concrete.—See Building Material.

Concrete Mixer.—Cleveland Springs Co., Shelby, N. C.—Wants to purchase or rent concrete mixer for development of 350-acre subdivision.

Condenser.—See Turbine and Condenser.

Contractor's Equipment.—Sans Souci Construction Co., H. C. Bennett, Sec., Punta Gorda, Fla.—Wants data and prices on all kinds of equipment used by general contractors.

Conveying Equipment.—Heckman-Lindahl, Inc., Sarasota, Fla.—Wants data and prices on equipment to unload sand and shell from barges to bins and yards.

Core Drill.—See Stone-Working Machinery.

Crane (Locomotive).—W. M. Smith & Co. (Mchy. Dealer), First Ave., Birmingham, Ala.—Wants used locomotive crane, 10 to 20 tons.

Crushers.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants a gyratory crusher, prefer McCully No. 9 or No. 10; also one No. 4 gyratory crusher.

Crusher.—Cable Excavator Co. (Mchy. Dealer), Second and Railroad Ave., Fernwood, Pa.—Wants 36x42-in. Farrell crusher.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Crusher (Gyratory).—Robinson Machinery Co., First Ave. and 39th St., Birmingham, Ala.—Wants one small gyratory crusher, new or second-hand.

Culverts.—El Paso County Comms. Court, E. B. McClintock, Judge, El Paso, Tex.—Receives bids Mar. 23 for corrugated metal pipe culverts.

Cut-off Saw.—See Woodworking Machinery.

Derrick.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 10-ton capacity steel guy derrick, 100-ft. boom.

Derrick.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one small 2-ton stiff-leg derrick, wooden mast and boom, 20 to 30 ft.

Dragline.—E. E. Titus, Petersburg, Va.—Wants one Bucyrus No. 14 dragline, 60-ft. boom.

Drawing Tables.—See School Supplies and Equipment.

Dry Kiln Trucks.—Dorchester Lumber Co., Badham, S. C.—Wants 200 dry kiln trucks; give full description.

Dumb Waiters.—Thomas P. Florida, Sec. Treas. & Gen. Mgr., Meyer-Florida Hotel Co., Columbus, Miss.—Wants prices on dumb waiters for \$650,000, 11-story hotel at Meridian.

Electric Grinders.—Exchange Machinery Co., Box 2533, Station A, Jacksonville, Fla.—Wants prices on electric grinders.

Electric Line Material.—Walter E. Campbell, Landscape Archt., Greensboro, N. C.—Wants electric line material for development of 40-acre subdivision at Rock Hill, S. C.

Electric Motor.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 12 to furnish one 3 h. p. electric motor and one thermostatic controlled automatic starting and stopping device, use in refrigerating plant; delivery Hampton Roads, Va. Sch. 441.

Electric Meters and Transformers, etc.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 12 to furnish one watt-hour meter, 2 transformers and 1 water meter; delivery Quantico, Va. Sch. 440.

Electric Refrigerators.—C. J. Frankel, 301-2 Electric Bldg., Houston, Tex.—Wants data and prices on electric refrigerators for \$18,770, 2-story apartment house.

Electric Refrigerator.—See Building Material.

Electric Refrigerators.—Thomas P. Florida, Sec. Treas. & Gen. Mgr., Meyer-Florida Hotel Co., Columbus, Miss.—Wants prices on electric refrigerators for \$650,000, 11-story hotel at Meridian.

Electric Wiring.—Muscookee Manufacturing Co., Front St., Columbus, Ga.—Wants prices on electric wiring for textile mill.

Elevator.—M. E. Lanning, 434 Keith St., Norman, Okla.—Wants data and prices on elevator for \$35,000, 2-story warehouse, Oklahoma City.

Engines.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 75 h. p. and one 150 h. p. Corliss engine.

Engine.—Wilson-Hock Co. (Mchy. Dealer), City Point, Va.—Wants 24 and 48x48 Corliss engine, heavy-duty type, suitable for 200-lb. steam pressure; delivery N. Carolina.

Engine.—See Generator Set.

Engraving and Printing Materials.—Treasury Dept., Bureau of Engraving and Printing, Washington, D. C.—Receives bids April 2 to furnish dextrine, oils, textiles, dry colors, paper box blanks, paper and check paper during fiscal year beginning July 1, 1926.

Flooring.—See Building Material.

Floor Tile.—See Building Material.

Flooring (Linoleum, Rubber Tile and Composition).—C. J. Frankel, 301-2 Electric Bldg., Houston, Tex.—Wants prices on linoleum, rubber tile and composition flooring for \$18,770, 2-story apartment house.

Fly Paper.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 12 for 4000 double sheets "Tanglefoot" fly paper or equal.

Gas Line Material.—Walter E. Campbell, Landscape Archt., Greensboro, N. C.—Wants gas line material for development of 40-acre subdivision at Rock Hill, S. C.

Generator Set.—Wilson-Hock Co. (Mchy. Dealer), City Point, Va.—Wants engine generator unit, 200 to 300 kw., 3 phase, 60 cycle, 440 volt; direct connected outfit preferred; delivery Virginia; used equipment; also 200 to 250 kw., 3 phase, 60 cycle, belted gen-

erator with exciter, for N. Carolina delivery.

Grading Tools.—Cleveland Spring Co., Shelby, N. C.—Wants to purchase or rent grading tools for development of 350-acre subdivision.

Gravel.—J. A. Escajeda, El Paso County Auditor, El Paso, Tex.—Receives bids Mar. 23 for 4000 cu. yds. of gravel, delivered at designated points on River Road; E. B. McClintock, County Judge.

Gravel.—See Building Material.

Gravel.—Covington, La. See Construction News—Roads, Streets, Paving.

Hardwood Flooring.—E. S. Hendren, Sec. Surry County Board of Education, Mount Airy, N. C.—Wants prices on hardwood flooring for school buildings.

Hardwood Flooring.—C. H. Cox, Seventh St. and Mary Ave., Waco, Tex.—Wants prices on hardwood flooring for \$20,000 stores building for Dora Behrens.

Heating Equipment.—Muscookee Manufacturing Co., Front St., Columbus, Ga.—Wants prices on heating equipment for textile mill.

Hoist (Ash, Electric).—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids March 10 for electric ash hoist at No. 27 school, Fayette and Chester St.; C. H. Osborne, Chief, Bureau of Bldgs.

Hoists.—See Steel Dump Bodies, etc.

Hollow Tile.—See Building Material.

Hollow Tile.—E. S. Hendren, Sec. Surry County Board of Education, Mount Airy, N. C.—Wants prices on hollow tile for school buildings.

Hydrants.—Cleveland Springs Co., Shelby, N. C.—Wants hydrants for 350-acre subdivision.

Incinerators.—David S. Castle Co., Archts., Alexander Bldg., Abilene, Tex.—Wants prices on incinerators for \$100,000 school at Tahoka.

Incinerators.—Thomas P. Florida, Sec. Treas. & Gen. Mgr., Meyer-Florida Hotel Co., Columbus, Miss.—Wants prices on incinerators for \$650,000, 11-story hotel at Meridian.

Incinerators.—Bertram C. Hill, Archt., Liggett Bldg., Dallas, Tex.—Wants prices on incinerators for \$50,000 apartment house for Dr. W. W. Shortall.

Insulator Pin Machinery.—See Woodworking Machinery.

Interior Tile.—See Building Material.

Keene Cement.—See Building Material.

Lathe.—Hackley-Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one screw-cutting quick-change gear lathe, 26-in. swing, with bed at least 10 ft.

Lathe.—Sabel & Rothschild, 390 Bay St., Jacksonville, Fla.—Wants two St. Joe veneering lathes with attachments, size 48-in. or over.

Lime.—See Building Material.

Lime Plant Machinery.—Dwight B. Boyden, M. E., 115 Broadway, San Diego, Cal.—Wants data and prices on complete plant for manufacture of quicklime.

Linoleum.—See Flooring (Linoleum, Rubber Tile and Composition).

Lumber.—Holland Bros., Box 1448, Bradenton, Fla.—Wants prices on finished and rough lumber for 20 dwellings; cost about \$10,000 each.

Lumber (Creosoted).—John M. Murch, Galveston County Auditor, Galveston, Tex.—Receives bids March 10 for approximately one carload creosoted lumber, various sizes; delivered f. o. b. Dickinson, Tex.

Lumber Kilns.—John K. Spaulding (Mchy. Dealer), Fullerton, La.—Wants data and prices on lumber kiln, parts complete; state condition, etc.

Machine Shop Equipment.—Exchange Machinery Co., Box 2533, Station A, Jacksonville, Fla.—Wants prices on general machine-shop equipment.

Mail Chutes.—Thomas P. Florida, Sec. Treas. & Gen. Mgr., Meyer-Florida Hotel Co., Columbus, Miss.—Wants prices on mail chutes for \$650,000, 11-story hotel at Meridian.

Maps, Charts, Globes.—See School Building Supplies.

Marble.—See Building Material.

Metal Ceilings.—See Building Material.

Metal Ceiling.—Rev. J. J. Creed, Pastor, Anglin Street M. E. Church, South, Cleburne, Tex.—Wants prices on metallic ceiling for \$10,000 Sunday school.

Metal Ceilings.—E. S. Hendren, Sec. Surry County Board of Education, Mount Airy,

N. C.—Wants prices on metal ceilings for school buildings.

Metal Ceilings and Doors.—See Building Material.

Metal Doors, Sash and Trim.—See Building Material.

Partitions.—Rev. J. J. Creed, Pastor, Anglin Street M. E. Church, South, Cleburne, Tex.—Wants prices on lifting or rolling partitions for \$10,000 Sunday school.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids March 11 to furnish steel pipe, conduit, chain, wood screws, cable, wire, generator, concrete mixers, saw machine, surveyors' level, filing cabinets, trench braces, wheelbarrows, door locks, hinges, barrel bolts, drawer handles, reflectors, receivers, tape, sash cord, brushes, etc. Blank forms and information (Circular 1723) on application to offices of Panama Canal; Asst. Purchasing Agents at 24 State St., New York; 611 Gravier St., New Orleans, La.; Fort Mason, San Francisco, Cal.; also U. S. Engineer offices throughout country.

Mortiser.—See Woodworking Machinery.

Motion-Picture Supplies and Equipment.—Pell Mitchell, Box 8538, Miami, Fla.—Wants data and prices on motion-picture supplies and equipment for \$150,000 theater; would like to correspond with distributors of motion pictures.

Moulder.—See Woodworking Machinery.

Moulder (Inside).—See Woodworking Machinery.

Onyx.—L. D. Turner, Hollywood, Fla.—Wants to correspond with producers of onyx.

Painting.—Board of Awards, F. A. Dolfield, Baltimore, Md.—Receives bids March 10 for interior painting at school, Carrollton and Lafayette Aves.; C. H. Osborne, Chief, Bureau of Bldgs.

Pipe (Sewer).—See Water Main and Sewers.

Pipe (Cast Iron).—See Water Main and Sewers.

Paving.—Fayette, Ala. See Construction News—Roads, Streets, Paving.

Paving.—Winona, Miss. See Construction News—Roads, Streets, Paving.

Pianos.—See Church Furnishings.

Pianos.—See School Supplies and Equipment.

Pipe and Bolt Threading Machinery.—Exchange Machinery Co., Box 2533, Station A, Jacksonville, Fla.—Wants prices on pipe and bolt threading machines, hand and power.

Pipe (Sewer).—Cleveland Springs Co., Shelby, N. C.—Wants sewer pipe for 350-acre subdivision.

Pipe (Water).—Cleveland Springs Co., Shelby, N. C.—Wants water pipe for 350-acre subdivision.

Pipe (Cast Iron).—See Water Works.

Pipe Machine.—Albert Pipe Supply Co., Inc., Berry and 13th St., Brooklyn, N. Y.—Wants pipe machine, 18-in. or larger; motor-driven preferred.

Plaster.—See Building Material.

Planer.—See Woodworking Machinery.

Plaster Board.—See Building Material.

Plate Steel.—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Receives bids March 9 to deliver special-treatment plate steel to Navy Yard, Washington.

Portland Cement.—U. S. Engineer Office, Box 72, Louisville, Ky.—Receives bids Mar. 9 to furnish and deliver approximately 110,000 bbls. Portland cement.

Portland Cement.—Rev. J. J. Creed, Pastor, Anglin Street M. E. Church, South, Cleburne, Tex.—Wants price on Portland cement for \$10,000 cement block Sunday school.

Postoffice Fixtures.—C. H. Cox, Seventh St. and Mary Ave., Waco, Tex.—Wants bids on postoffice fixtures for \$20,000, 2-story stores building for Dora Behrens.

Printing.—Comms. of State Institutions, Bessie G. Porter, Sec., Tallahassee, Fla.—Receives bids March 23 on Legislative printing for period of two and four years.

Pump (Centrifugal).—Robinson Machinery Co., First Ave. and 39th St., Birmingham, Ala.—Wants one 4-in. centrifugal pump, belt or direct drive; new or second-hand.

Pumps.—See Water System.

Pumphouse and Reservoir.—L. P. Tapp, Chmn., Executive Committee, Caswell Training School, Kinston, N. C.—Wants proposals until March 10 for pumphouse and

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reservoir; plans and specifications may be secured from Benton & Benton, Archts., Fidelity Mutual Bldg., Wilson.

Rails.—W. M. Smith & Co. (Mchy. Dealer), First Ave., Birmingham, Ala.—Wants 70 to 85 lbs. relay rails.

Refrigerators (Electric).—Bertram C. Hill, Archt., Liggett Bldg., Dallas, Tex.—Wants data and prices on refrigerators for \$50,000 apartment house for Dr. W. W. Shortall.

Resaw and Cut-off Saw.—See Woodworking Machinery.

Road.—State of Texas will build 27 roads. See Construction News—Roads, Streets, Paving.

Road.—Del Rio, Tex. See Construction News—Roads, Streets, Paving.

Road.—San Antonio, Tex. See Construction News—Roads, Streets, Paving.

Road.—Winfield, W. Va., will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Harrisville, W. Va. See Construction News—Roads, Streets, Paving.

Road.—Greenville, S. C. See Construction News—Roads, Streets, Paving.

Road.—Kaufman, Tex. See Construction News—Roads, Streets, Paving.

Road.—Charleston, W. Va., will build 3 roads. See Construction News—Roads, Streets, Paving.

Road.—Crockett, Tex., will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Engineer Office, M. C. Tyler, Maj. Corps of Engrs., Dist. Engr., Florence, Ala.—Receives bids March 25 for roadway at Dam No. 2, Wilson Dam, Tennessee River.

Roads.—Henrietta, Tex., will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Huntsville, Tex. See Construction News—Roads, Streets, Paving.

Road.—Towson, Md., will improve 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Coleman, Tex. See Construction News—Roads, Streets, Paving.

Road.—Sebring, Fla. See Construction News—Roads, Streets, Paving.

Road.—DeLand, Fla. See Construction News—Roads, Streets, Paving.

Road.—Covington, La. See Construction News—Roads, Streets, Paving.

Road-Building Equipment.—Cleveland Spring Co., Shelby, N. C.—Wants to purchase or rent equipment for improving 350-acre subdivision.

Road Roller.—Cleveland Springs Co., Shelby, N. C.—Wants to purchase or rent road roller for development of 350-acre subdivision.

Rolling Partitions.—See Building Material.

Roofing.—Rev. J. J. Creed, Pastor, Anglin Street M. E. Church, South, Cleburne, Tex.—Wants prices on roofing suitable for flat roof on \$1,000 Sunday school.

Roofing Tile.—See Building Material.

Rubber Tile.—See Flooring (Linoleum, Rubber Tile and Composition).

Sand.—Rev. J. J. Creed, Pastor, Anglin Street M. E. Church, South, Cleburne, Tex.—Wants price on sand for \$10,000 cement block Sunday school.

Sand.—See Building Material.

Sand-Handling Equipment.—Heckman-Lindahl, Inc., Sarasota, Fla.—Wants data and prices on machinery for unloading sand and shell from barges to bins and yards.

Sand Storage Bins.—Heckman-Lindahl, Inc., Sarasota, Fla.—Wants data and prices on sand-storage bins.

Sander.—See Woodworking Machinery.

School Supplies and Equipment.—H. L. Mills, Business Mgr., Board of Education, Houston Independent School Dist., Houston, Tex.—Receives bids March 5 for cafeteria equipment, mechanical drawing tables, science supplies, maps, charts, globes, pianos, Victrolas and dishwasher; prices f. o. b. Houston and completely installed.

Screen.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 60-in. screen, preferably 20 ft. long; state perforations, length of sections, etc.

Seating (Church).—See Church Furnishings.

Sewers.—See Water Mains and Sewers.

Sewers, etc.—City of Charlotte, N. C., Edgar Read, Clk.—Receives bids March 10 for constructing sewers.

Sewer Castings.—Cleveland Springs Co.,

Shelby, N. C.—Wants sewer castings for 350-acre subdivision.

Sewer System.—City of Phoenix City, Ala., W. N. Daniel, Clk.—Receives bids Mar. 15 for installing storm and sanitary sewers on various streets; Power & Williamson, Consol. Engrs., Dothan.

Sewer Construction.—City of Richmond, Va., R. Keith Compton, Director of Public Utilities—Receives bids March 5 for sewers on various streets.

Shovel.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one $\frac{3}{4}$ or 1 yd. crawler-type shovel.

Shovel.—W. M. Smith & Co. (Mchy. Dealer), First Ave., Birmingham, Ala.—Wants one used crawler-type shovel, $\frac{1}{2}$ to 1 yard.

Sidewalk and Curb Material.—Walter E. Campbell, Landscape Archt., Greensboro, N. C.—Wants sidewalk and curbing material for development of 40-acre subdivision at Rock Hill, S. C.

Soapstone.—R. B. Horsburgh, Box 639, Asheville, N. C.—Wants data and prices on soapstone in brick form to be used for encasing boilers or lining furnaces.

Sprinklers.—James B. Cook, Box 425, Maryville, Mo.—Wants data and prices on sprinklers for \$25,000, 2-story theater.

Sprinkler Equipment.—Muscopee Manufacturing Co., Front St., Columbus, Ga.—Wants sprinkler equipment for textile mill.

Steel Bars.—Ed. B. Mooney, City Hall, Hot Springs, Ark.—Wants prices on steel bars for \$200,000 6-story hotel.

Steel Dump Bodies, etc.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 15 to furnish 10 steel end dump bodies and 10 vertical hand hoists; delivery San Diego, Cal. Sch. 444.

Stokers.—See Water-Works Equipment.

Stone-Working Machinery.—Standard Soapstone Corp., Arlington, Va.—Wants used Sullivan or Ingersoll vertical channelers, 3 undercutters and one Sullivan, Class M. core drill.

Sprinklers.—M. E. Lanning, 434 E. Keith St., Norman, Okla.—Wants data and prices on sprinklers for \$35,000 warehouse, Oklahoma City.

Steel Sash and Trim.—See Building Material.

Steel Buildings.—John K. Spaulding (Mchy. Dealer), Fullerton, La.—Wants data and prices on 50x240-ft., 100x120-ft., 60 to 75x300 ft. and 60x80 ft. all steel buildings, all about 25 ft. high in the clear and all except largest to be without columns; Northern delivery; one 40x60x25 ft. for Southern delivery.

Steel Nosing.—John T. Blevins, Joplin, Mo.—Wants about 500 lin. ft. steel nosing, suitable for concrete steps; correspond with manufacturers.

Stencel Paper.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 12 to furnish 1000 quires stencel paper; delivery Philadelphia, Pa. Sch. 442.

Storm Sewers.—Town of Bossier City, La., Tom Hickman, Mayor—Receives bids March 9 for storm sewers; 5 manholes complete, 9 catch basins, 230 ft. of 10-in., 780 ft. of 12-in., 155 ft. of 15-in., 450 ft. of 18-in., 610 ft. of 24-in. V. T. pipe; 2 cu yds. concrete outlet protection, 675 ft. of $\frac{3}{4}$ -in. extra strong lead pipe placed, 45 $\frac{3}{4}$ -in. corporation cocks with lead flanged coupling, placed; 45 $\frac{3}{4}$ -in. curb cocks with lead flange placed, 45 $2\frac{1}{2}$ -in. extension service boxes, 2 ft. to 3 ft. placed; E. T. Archer & Co., Engrs., 1011 City Bank Bldg., Shreveport, La., and New England Bldg., Kansas City, Mo.

Street.—Bossier City, La. See Construction News—Roads, Streets, Paving.

Street.—Armory, Miss. See Construction News—Roads, Streets, Paving.

Street.—Phenix City, Ala. See Construction News—Roads, Streets, Paving.

Street.—Tampa, Fla. See Construction News—Roads, Streets, Paving.

Street.—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

Street.—New Orleans, La. See Construction News—Roads, Streets, Paving.

Street.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Street.—Tampa, Fla.—See Construction News—Roads, Streets, Paving.

Stucco.—See Building Material.

Tables.—See Church Furnishings.

Terra Cotta Trim.—See Building Material.

Terrazzo Flooring.—See Building Material.

Tenoner.—See Woodworking Machinery.

Tile Flooring.—C. H. Cox, Seventh St. and Mary Ave., Waco, Tex.—Wants prices on

tile flooring for \$20,000 stores building for Dora Behrens.

Tile Flooring.—See Building Material.

Tables.—See Church Furnishings.

Tank and Tower.—City of Abilene, Tex., O. K. Hobbs, Engr.—Receives bids March 12 for construction of 500,000-gal. elevated water tank.

Tray Carriages.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 10 for 2 steel tray carriages; The Hospital Supply Co.'s "Storer" No. 5673 or equal.

Trench Machine.—Cleveland Springs Co., Shelby, N. C.—Wants to purchase or rent trench machine for development of 350-acre subdivision.

Truck Chassis.—Chas. E. Gross, Dallas County Auditor, Dallas, Tex.—Receives bids March 8 for one 2-ton truck chassis equipped with seat, fender and solid tires for use in Dist. No. 2.

Turbine and Condenser.—D. R. Pringle, Supt., Thomasville, Water & Light Dept., Thomasville, Ga.—Receives bids March 8 for one 1000 k.w. turbine and condenser.

Valves.—Cleveland Springs Co., Shelby, N. C.—Wants valves for 350-acre subdivision; water lines, etc.

Vaults.—David S. Castle Co., Archts., Alexander Bldg., Abilene, Tex.—Wants prices on vaults for \$100,000 school at Tahoka.

Ventilators.—Pell Mitchell, Box 8333, Miami, Fla.—Wants prices on ventilators for \$150,000 theater building.

Ventilators.—Thomas P. Florida, Sec. Treas. & Gen. Mgr., Meyer-Florida Hotel Co., Columbus, Miss.—Wants prices on ventilators for \$650,000, 11-story hotel at Meridian.

Ventilators.—Bertram C. Hill, Archt., Liggett Bldg., Dallas, Tex.—Wants prices on ventilators for \$50,000 apartment house for Dr. W. W. Shortall.

Ventilators.—A. Babin, Archt., Blanchette Estate Bldg., Beaumont, Tex.—Wants prices on ventilators for \$100,000 St. Anthony Catholic high school building.

Ventilators.—David S. Castle Co., Archts., Alexander Bldg., Abilene, Tex.—Wants prices on ventilators for \$100,000 school at Tahoka.

Ventilators.—Harvey P. Smith, Archt., National Bank of Commerce Bldg., San Antonio, Tex.—Wants prices on ventilators for \$65,000 high school at Taft.

Ventilators.—James R. Cook, Box 425, Maryville, Mo.—Wants data and prices on ventilators for \$25,000, 2-story theater.

Ventilator.—See Building Material.

Ventilators.—Ed. B. Mooney, City Hall, Hot Springs, Ark.—Wants data and prices on ventilators for \$200,000 6-story hotel.

Water Line.—See Water System.

Water Mains and Sewers.—Washington Suburban Sanitary Commn., Evans Bldg., Washington, D. C.—Receives bids March 26 for water main and sewer construction: Contract 58, 25,000 ft. of 6 and 12 in. cast iron water mains, 33,000 ft. of 6 to 15 in. vitrified pipe sewers; Contract 59, 11,300 ft. of 6 to 10 in. cast iron water mains, 10,700 ft. of 6 to 10 in. vitrified pipe sewers; Robert B. Morse, Ch. Engr. of District, Hyattsville, Md.

Waterproofing.—See Building Material.

Water System.—L. P. Tapp, Chmn. Executive Committee of Caswell Training School, Kinston, N. C.—Wants proposals until March 10 for water system, including 2 centrifugal pumps and 1 fire pump with capacity of 1000 gals. per minute; about 4500 ft. water line, power line; plans and specifications may be obtained at office Benton & Benton, Archts., Fidelity Mutual Bldg., Wilson.

Water Works.—City of Greenville, Tex., Mord C. Hale, Clk.—Receives bids March 17 for constructing complete cast iron water main from city plant to business district; cast iron pipe and fittings with valves, hydrants, etc.

Water Works.—City of Opelika, Ala., H. K. Dickinson, Mayor—Receives bids March 11 for water-works improvements, including Section 1, Spring Villa supply main and Section 2, distribution mains; 31,000 ft. of 12-in. supply main, 22,000 ft. of 10-in. to 2-in. distribution mains; Robert L. Totton, Inc., Consol. Engrs., Brown-Marx Bldg., Birmingham.

Water-Works Equipment.—Water Commrs., Dept. of Public Utilities, Room 312 City Hall, St. Louis, Mo.—Receives bids March 16 for furnishing tools, materials and labor necessary for construction and erection complete in place of four 650 h. p. steam boilers; 4 forced draft chain grate

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

stokers, 2 air preheaters, coal and ash handling equipment at Missouri River pumping station.

Water-Works Material.—Walter E. Campbell, Landscape Archt., Greensboro, N. C.—Wants water-works material for development of 40-acre subdivision at Rock Hill, S. C.

Weighing Equipment.—Hardaway Contracting Co., Columbia, S. C.—Wants data and prices on weighing equipment for proportioning aggregates sand and gravel for concrete work; correspond with manufacturers.

Windows.—Rev. J. J. Creed, Pastor, Anglin Street M. E. Church, South, Cleburne, Tex.—Wants prices on windows for \$10,000 Sunday school.

Wire Glass.—See Building Material.

Woodworking Machinery.—Piedmont Building Supply Co., Highland St., Hickory, N. C.—Wants prices on planer, inside moulder, cut-off saw, tenoner, shaper and mortiser.

Woodworking Machinery.—Halifax Builders Supply Co., Hollywood and Fifth Ave., Daytona Beach, Fla.—Wants prices on moulder, sander, resaw and cut-off saw.

Woodworking Machinery.—W. Fulton, Fulton Insurance Agency, Main St., Mt. Airy, N. C.—Wants data and prices on machinery suitable for making insulator pins used by power and telephone lines; correspond with manufacturers.

X-Ray Table.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids March 8 for one X-Ray table, type "I" complete; K. K. Cat. No. 386 and 389 or equal.

Trade Literature

About Electric Naval Craft.

"The Electric Fleet," a publication just issued by the General Electric Company, Schenectady, N. Y., bearing the designation GEA-306, is a 12-page illustrated bulletin devoted to the electrified first line battle-ships and airplane carriers in the United States Navy. It is arranged in popular style both as to text and illustrations.

Two Moore Dry Kiln Bulletins.

Two interesting bulletins have been issued by the Moore Dry Kiln Company of Jacksonville, Fla., and North Portland, Ore. One of these relates to the drying of Ponderosa pine, California white pine and sugar pine, and publishes the testimony of users of the Moore kilns for such work. The other bulletin is about Moore's asbestos protected metal doors. Both bulletins are illustrated.

Diamond Chain Catalogue.

Catalogue No. 57 of the Diamond Chain & Manufacturing Company, Indianapolis, Ind., is a general catalogue which, besides pictures and descriptions of Diamond roller chains and sprockets and their application in various industries, contains much engineering data of interest and value to designers and users of power transmission equipment. It will be found useful in engineering departments of industries, etc. It is finely printed and the illustrations are also of superior character.

Wilton and Chenille Rugs.

The Thomas L. Leedom Company, Bristol Carpet Mills, Bristol, Pa., have issued a very interesting booklet concerning their product, the Leedom Wilton Rugs, showing different patterns in their exact colors in a fine and artistic manner. One can see at a glance how this or that pattern would look on a floor. Another booklet relates to the wool chenille rugs made by the same mills, and they are also pictured in colors, including Stanford figured rugs, Durro mottled rugs and Oxford plain banded rugs, all reversible. Accompanying the booklets is a complete list of prices.

"Hydro Proof" for Walls, Floors, Etc.

Circulars issued by the Asphalt Products Co., Inc., Syracuse, N. Y., give complete information about "123 'Hydro Proof,'" which is described as "the ideal permanent and economical waterproofing agent. It is used for waterproofing concrete, brick, wood, etc., and it is pointed out that waterproofed concrete cannot freeze, because it cannot take up any appreciable amount of water and consequently it cannot afterwards expand, disintegrate, crumble or crack. Hydro Proof is described as being pure asphalt in liquid form, and it is applied cold. It is prepared without the addition of oils, solvents or saponifying agents, so that its permanency is not lessened. It is employed for waterproofing walls, floors, etc.; for protecting iron and steel against corrosion, and the fact that it is odorless is of great value when it is used in refrigerating and storage plants. Hydro Proof Plastic is also used for caulking, glazing and sundry other purposes.

Opportunities in South for Clay-Working Plants.

As a further contribution toward the development of clay-working industries in the South a special edition of the Southern Field was published by the Development Service of the Southern Railway system for distribution in connection with the meeting of the American Ceramic Society, lately held in Atlanta. The issue is handsomely illustrated and is devoted almost entirely to information about the ceramic industries and opportunities of the territory served by the Southern. A particularly valuable feature is a map showing the locations in which the raw materials used in the ceramic industries are found. Another map shows the coal fields and the electric power transmission lines.

Concerning Uses of Oxy-Acetylene.

"Oxy-Acetylene Tips," for February, published by the Linde Air Products Co., New York, N. Y., contains many tips "for the Linde Oxywelder," as it says on the front cover page. The opening article of the month is about salvaging abandoned track-age, showing how an interurban railway company cuts up the old rails into marketable lengths for scrap metal to be melted and rerolled into new forms for various purposes. The oxywelding of a cylinder block is the subject of the second article, which is illustrated in a very enlightening manner. An article about removing carbon from automobile engines, etc., says that it takes only 15 or 20 minutes to remove the carbon from all cylinders by burning it with oxygen and a carbon-burning outfit.

A Fine and Convenient Calendar.

The John Hoos Company, 306-310 South Hanover street, Baltimore, Md., have issued a very fine and convenient daily calendar—one day to a leaf—accompanied by mention of their stock, which consists of hotel, restaurant, institution, steamship and club equipments, supplies and utensils, including everything required in the preparation and service of food. Lettering is white on bright red background.

New Portable Electric Reamer.

A new folder from the Chicago Pneumatic Tool Company gives full particulars with pictures of the No. 3 Little Giant "Hicycle" Reamers, which have been developed to meet the demand for a portable electric reamer combining low maintenance costs with light weight, great power and dependability. Some of the illustrations show the reamers at work.

Two McCormick-Deering Books.

The McCormick-Deering Industrial Tractor and operating equipment are fully illustrated and described in a large and finely made book of nearly a hundred pages issued by the International Harvester Company of America, Inc., 606 S. Michigan avenue, Chicago, Ill. A two-page picture in the middle of the book shows the whole engine mechanism of the tractor, which has replaceable cylinders. A complete line of other road machinery, portable sawmills, wood saws, etc., is likewise shown with complete data. Another book issued by the same manufacturers relates to tractor and other equipment for clubs, parks, golf courses, etc., including International coaches and large buses for transportation of sightseers and others.

Electric Celebration in Print.

"Electric Night by Radio," issued by the General Electric Company of Schenectady, N. Y., as publication GEA-324, contains the addresses which were broadcast on "Electric Night," October 21, from 18 broadcasting stations, covering the United States. This national celebration was sponsored by the General Electric Company to commemorate of forty-sixth anniversary of the incandescent lamp and to pay tribute to Thomas A. Edison. History, progress, rural electrification, public relations and many other subjects relating to the electrical industry are discussed. Among the 32 speakers were two members of the Cabinet, in addition to officials of banks, electrical associations, central station companies and manufacturers.

J. H. Whitner.

James Harrison Whitner, vice-president of the Virginia Bridge & Iron Company, died at Roanoke, Va., on February 10. Mr. Whitner was born in Anderson, S. C., August 15, 1861, and graduated from the Rensselaer Polytechnic Institute in 1885. He had been associated with the Virginia Bridge & Iron Company since 1898, first in charge of its Southern contracting office at Birmingham, and for more than 20 years in charge of the company's contracting department at Roanoke, Va. For the past eight years he had been vice-president in charge of contracting.

Detroit Stoker Bulletin.

Detroit multiple retort underfeed stokers are described in a new 24-page bulletin just issued by the Detroit Stoker Company, Detroit, Mich. Illustrations bring out many special features, such as the level fuel bed and the method for controlling movement of the fuel throughout combustion. The applications shown cover a wide range of operating conditions and include installations with preheated air, the burning of wood refuse with coal at high ratings, use of the stokers for burning Indiana and Illinois coal, etc. The bulletin is known as No. 103.

Again With Spencer Construction Co.

Howard J. Griffin, formerly of the Spencer Construction Company, contracting engineers, Baltimore, Md., has again joined the Spencer organization as sales manager and will renew a wide acquaintance in the South. He was for many years with the Allis-Chalmers Manufacturing Company as special Eastern and Southern representative of the flour mill machinery department. The Spencer Company specializes in building cement stock houses, grain elevators and miscellaneous bin work.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Walworth Company Now Has New Sales Division South.

The Walworth Company of Boston, Mass., manufacturers of pipe fittings, valves and tools, with factories in that city and also at Attalla, Ala.; Greensburg, Pa., and Kewanee, Ill., has created a new sales division in the South, with headquarters at Birmingham, W. C. Goza of Texas, who has been with the sales department for several years, being manager of the new division, effective February 15. This company, which was established in 1842, has had remarkable growth of late years. Until 1913 its business was virtually confined to New England and to the Atlantic Coast states as far southward as Baltimore; only an occasional order went west. It was then that Howard Conoley of Chicago became president, and in the 13 years during which he has been head, the manufacturing facilities of the company have been increased many times over. In 1917, to supply the market in the middle West, he arranged to purchase the United States Steel Corporation's plant at Kewanee, which is finely equipped to produce brass, cast iron, malleable iron and steel screwed and flanged fittings and valves, and last year was distinguished by the purchase of the National Pipe & Foundry Company's plant at Attalla, about 60 miles south of Birmingham, and which makes cast iron fittings and soil pipe and soil-pipe fittings. Later in the year the Kelly & Jones Company's plant at Greensburg was acquired, and this, coupled with the manufacturing facilities in Alabama, put the company in an advantageous position to serve better the prosperous and fast-growing industrial section stretching from western Texas to the Atlantic seaboard south of the Mason and Dixon Line, which had heretofore been supplied from Boston and Kewanee. Mr. Goza, now at Birmingham, was formerly manager of the Western division, but his heart has always been with the South and his present position there is particularly pleasing to him. A complete stock of valves, fittings and tools will be carried in a big warehouse recently completed at Attalla and shipments will be made from there, reducing time to customers very materially.

Officers Elected.

H. M. Pratt has been elected second vice-president and sales manager of the Southern Iron & Equipment Company, Atlanta, Ga. Mr. Pratt has been connected with the company for a number of years, some time past as manager of their New Orleans office, and more recently as general sales manager. R. A. Garner succeeds A. J. Merrill, deceased, as secretary and treasurer of the company. Mr. Garner has been connected with this company since 1910.

Buy and Sell Industrial Plants.

The Stein-Brill Corporation, 25 Church street, New York, N. Y., has been formed to buy and sell complete industrial plants and also individual pieces of machinery in lines of business, as follows: Chemical, soap, oil mill, oil refineries, sugar, paper mill, rubber, paint, industrial alcohol, fertilizer, packing house, laundry, textile, dyeing, contracting, etc. Louis I. Brill is president and Jerome D. Stein, secretary-treasurer, both being engineers.

Osborn Cuts Price of Wire Scratch Brushes.

Like Ford and other successful industrial leaders who are constantly on the alert to give the public and the trade every possible lower price advantage that can come through large production and more efficient manufacturing methods, the Osborn Manufacturing Company, Cleveland, Ohio, has within the year twice announced substantial price reductions. Last June they cut prices on many items in the Osborn Blue Handle household brush line to the point where Osborn Blue Handle brushes can now be purchased over retail counters at prices which, on the average, are one-third lower than is asked for so-called comparable merchandise sold by house-to-house canvassers. The second instance is an announcement on another page in this publication where the Osborn Manufacturing Company announces a big reduction on wire scratch brushes. The new prices on an average are 24 per cent lower than the prices which prevailed previously.

Buffalo Merger of Rubber Companies.

As a result of the merger of the financial interests of the Hewitt Rubber Company of Buffalo, N. Y., with the Gutta Percha & Rubber Mfg. Co. of New York and Brooklyn, N. Y., Buffalo recently acquired another large rubber industry. At a reorganization meeting held in the latter city F. E. Miller was elected president of the Gutta Percha & Rubber Mfg. Co.; John H. Kelly and Amadee Spadone were elected vice-presidents, and W. J. Magee, secretary and treasurer. The reorganization is the first step in the removal of the company's plant office and other facilities to Buffalo. The company has a world-wide reputation for the quality of its products, and it maintains branches or agencies in Boston, New York, Philadelphia, Baltimore, Atlanta, Chicago, Pittsburgh, Salt Lake City, Denver, Los Angeles, San Francisco and Seattle.

Sullivan Exhibit at Railway Show.

The Sullivan Machinery Co., 122 South Michigan avenue, Chicago, Ill., will exhibit its compressed air equipment at the National Railway Appliances Association Show at the Coliseum in that city March 8 to 11. Space 253 in the north building will be its headquarters. A new operating model of the Sullivan Air Lift will be demonstrated, showing methods of developing shallow wells in sand and gravel formation by means of this device. Another model, showing the operation of the standard Sullivan air lift pump for deep wells, will also be demonstrated. Other products will also be on display. The exhibit will be in charge of John Oliphant and assistants.

Allis-Chalmers Business in Europe.

Business on the Continent of Europe for the Allis-Chalmers Manufacturing Co. of Milwaukee, Wis., will be handled through an organization recently incorporated as Allis-Chalmers (France), with headquarters at 3 Rue Taitbout, Paris. H. I. Keen, who has been manager of European sales through the company's district office in Paris, will be the managing director of the new organization. The company also has an office in London at 728 Salisbury House, London Wall, E.C. 2.

Will Rebuild At Once.

The Boye & Emmes Machine Tool Co., Cincinnati, Ohio, whose factory was recently burned, say that they are clearing away the debris left by the fire, which completely destroyed the plant, and that a new building to take its place will be erected immediately, so that the firm can resume operation at the earliest possible moment. Fortunately, the patterns on hand were in another building and were saved.

Benjamin Electric Sales Meet.

The Benjamin Electric Mfg. Co. held a three-day sales and advertising conference at its main office, in Chicago, Ill., February 4, 5 and 6. Sales plans were approved, including an extensive advertising program starting April 1. B. G. Kodjbanoff, manager of the Eastern division, attended, with R. S. Iremonger from New York city, and Miles F. Steel, manager of the Pacific Coast division, came from San Francisco.

Installed Large Conveying System.

The Atlanta Blow Pipe Co., 363-365 Marietta street, Atlanta, Ga., manufacturers of dust-collecting and cotton-conveying systems and electric ventilating fans, have just completed a large installation of a conveying system—one of the largest in the South—for the Simmons Spring Bed Co. of Atlanta. The company also report business very brisk, with a large number of other orders on hand.

Northern Engineering Election.

At the annual meeting of stockholders of the Northern Engineering Works, manufacturers of electric traveling cranes, electric hoists and foundry equipment, Detroit, Mich., officers and directors were elected for the ensuing year, as follows: Henry W. Standart, president; Harry C. Buckley, vice-president; Louis H. Olfs, secretary; W. Robertson, who is chief engineer, and Joel H. Prescott completing the board.

Austin Company Awarded Contract.

The Lustro Coated Sheets Co. of Pittsburgh, Pa., have awarded a contract to the Austin Company, engineers and builders of Cleveland and Pittsburgh, for a new plant to manufacture steel and tin sheets. For ten years Lustro nickel and copper-coated sheets have been used by stove, toy and radio manufacturers. The new plant now under construction will cost \$60,000 and will increase the floor space more than 50 per cent. It is to be completed by April 1.

American Institute of Steel Construction.

The American Institute of Steel Construction, 350 Madison avenue, New York, N. Y., has added to its staff A. T. North, member of the American Institute of Architects and until recently associate editor of "The American Architect." As a structural steel fabricator he gained practical experience in the employ of the Paxton & Vierling Iron Works, Omaha, Neb.; the Sneed Architectural Iron Works, Louisville, Ky., and the Stewart Iron Works, Covington, Ky. Later he was chief engineer of the Western division of the National Fireproofing Co. Mr. North, therefore, will direct the extension of the institute's activities in the organization of a Department of Architectural Relations and also in the publication of a sales manual to develop better selling methods in the structural steel business. Another step contemplated by the institute is the addition of three field engineers to assist Leo H. Miller, the chief engineer.

(Continued on page 150)

STAR, WASHINGTON, D. C., THURSDAY, DECEMBER 17 1925

INSURANCE RATE CUT OFFERED IF WATER PRESSURE IS RAISED

**Underwriters Propose 5 Per Cent Reduction as Inducement to Installation of New System
Long Sought for City.**

As an inducement for installation of a high-pressure water system in the National Capital, the Board of Fire Underwriters here, which represents all the fire insurance companies in the country, has decided to reduce the premium rates on downtown property 5 per cent if the system is installed.

This offer, which has just been decided upon by the Board of Fire Underwriters, will cover all property within the area proposed for a high-pressure water system—namely, from K street to the Mall and from North Capitol street to Nineteenth street, and will affect about \$250,000,000 worth of private insurable property. If the high-pressure water system is not placed in downtown Washington, however, the National Board of Fire Underwriters, which has already made preliminary steps for its survey of conditions here, will not only be unable to reduce the rates, but, in the opinion of experts, will unquestionably have to raise them considerably.

Praise Proposal.

The offer to reduce the insurance rates here is considered by David Lee, chairman of the board of trade's insurance and fire protection committee which has advocated a high pressure system for 23 years, as a clear indication that the insurance companies of the country are concerned in the situation here. Mr. Lee and his committee feel that the offer is the most important development that has taken place since the high-pressure system has been advocated.

The committee regards this action as a plain inducement to the officials and business men of the National Capital to "remedy a serious and acute condition here."

Approximately \$3,102,000 was paid in fire premiums in the District last year. Half of this amount was paid on property within the proposed high-pressure area. A reduction of 5 per cent would mean a saving of \$75,000. If the system is not installed it will mean a raise in rates greater than the proposed reduction and the business men will not only lose \$75,000 but probably will pay more than that in increased premiums. If the high-pressure system is installed, it is pointed out by the committee, the

money saved soon would pay for the installation of the system and the lives, property and inconvenience incident to a high pressure system would at the same time be protected. In addition to this the Government would have a vastly greater protection for its buildings and irreplaceable records which are not insured by private concerns.

The Board of Trade, which somewhat irked recently, covered that it be appropriate system. Mr.

"...the money saved would soon pay for the installation of the system"

LARGE cities throughout the country have learned that an independent high pressure system is a good investment.

Standard Bell and Spigot high pressure Cast Iron Pipe has distinct advantages over other materials. It is flexible, tight and free from corrosion. It is also safe from any danger of collapse where the empty main system is used.

Write for copy of "United States Cast Iron Pipe Handbook," it contains valuable data for engineers.

United States Cast Iron Pipe and Foundry Company

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Cleveland: 1150 East 26th Street Kansas City: 13th & Locust Sts.
Minneapolis: 6th St. & Hennepin Ave.

**General Offices:
Burlington, New Jersey**

FINANCIAL NEWS

Bond Issues Proposed

Ala., Birmingham—School—Jefferson County Board of Education plans \$800,000 bond issue.

Ala., Mobile—City Comm., Mayor Crawford, receives bids soon for \$250,000 library and \$85,000 incinerator bonds; S. H. Hendrix, Clk.*

Ala., Phenix City—Paving—City Comm. receives bids Mar. 5 for \$130,000 6% bonds.

Ala., Tarrant—Road—City plans \$80,000 bond issue. Address City Clk.

Fla., Avon Park—Municipal Improvement—City, J. M. Lee, Atty., plans \$375,000 bond election; \$230,000 sanitary sewerage, \$60,000 storm sewers, \$30,000 city hall site, \$25,000 refunding, \$30,000 parks.

Fla., Brooksville—Municipal Improvement—City, Charles M. Price, Mayor, voted \$248,000 bonds.*

Fla., DeLand—School—Board of Public Instruction, V. W. Gould, Chmn., receives bids Mar. 16 for \$30,000 6% \$1000 denom. Special Tax School Dist. No. 39, Pierson, bonds; Geo. W. Marks, County Supt.

Fla., Gainesville—Road—Alachua County, Road Dist. No. 8, voted \$200,000 bonds. Address County Commrs.

Fla., Kissimmee—Municipal Improvement—City plans selling, about middle of March, \$506,000 6% bonds.*

Fla., Miami—Municipal Improvement—City, F. H. Wharton, Mgr., plans selling in about 90 days \$11,250,000 bonds.*

Fla., Peninsula Sta. Daytona Beach—Hospital—City contemplates \$750,000 bond issue. Address City Clk.

Fla., Pompano—School—Board of School Trustees, A. E. Harry, Sr., plans \$200,000 bond election.

Fla., Palm Beach—Municipal Improvement—City, Trevette Lockwood, Mgr., will call election Mar. 27 on \$2,000,000 bonds: \$125,000, street lighting; \$500,000, bulkheading; \$200,000, sidewalks and garbage disposal; \$575,000, street widening; \$100,000, fire fighting equipment.*

Fla., Punta Gorda—City Hall—City receives bids May 4 for \$50,000 6% \$1000 denom. bonds. Address City Clk.*

Fla., Titusville—School—Brevard County School Board will call election Mar. 22 on \$200,000 Dist. No. 4 Melbourne bonds.*

Fla., Winter Haven—Municipal Improvement—City Comm. contemplates \$1,000,000 bond issue, including purchase and improvement of parks, city hall, extend white way system, etc.

Ga., Columbus—Paving—Muscogee County Commrs. receive bids March 27 for \$1,650,000 bonds.*

Ga., College Park—School—City voted \$65,000 bonds. Address Board of Education.*

Ga., Hazelhurst—Road, Bridge—Jeff Davis County voted \$150,000 bonds. Address County Commrs.

Ga., Milledgeville—Paving—City votes Mar. 17 on \$25,000 bonds. Address City Clk.

Ga., Thomasville—Paving—City contemplates bond election; Robert & Co., Engrs., Atlanta.

Ga., Toccoa—Road—Stephens County voted \$200,000 bonds. Address County Commrs.*

Kentucky—Building, Indebtedness—State, W. J. Fields, Governor, Frankfort, may call election in Nov. on \$13,500,000 or \$14,000,000 bonds, including \$5,000,000, State penal and charitable institutions; \$5,000,000, University of Kentucky; \$3,500,000 or \$4,000,000, indebtedness.

Ky., Newport—School—E. Gerhardt, Bus. Mgr., Board of Education, receives bids Mar. 8 for \$325,000 4½% bonds.

Ky., Paducah—Municipal Improvement—City, Dr. J. N. Bailey, Mayor, receives bids Mar. 8 for \$120,000 road, \$50,000 sewer and \$40,000 Island Creek Bridge 4, 4½, 4½ and 4¾% bonds.

Miss., Webb—Water Works—City plans \$35,000 bond issue; Henry A. Mentz, Consit. Engr., Hammond, La.

Mo., Jefferson City—State Highway—State Highway Comm. receives bids Apr. 14 for \$7,500,000 4¾% bonds; C. Eugene Stevens, State Treas.

Mo., Shelbyville—Opera House—Community Hall—City votes April 6 on \$20,000 bonds; A. Burk, Mayor.

N. C., Albemarle—Courthouse—Stanley County defeated \$250,000 bonds. Address County Commrs.

N. C., Asheville—School—Swannanoa School Dist. voted \$150,000 bonds. Address Buncombe County Board of Education.

N. C., Asheville—Street—City, John H. Cathey, Mayor, contemplates \$500,000 bond issue.

N. C., La Grange—Sewer—City Commrs. will call election March 30 on \$50,000 bonds.

N. C., Smithfield—Street—Town, W. L. Fuller, Clk., receives bids March 15 for \$120,000 6% \$1000 denom. bonds.

N. C., Wilmington—Bridge—New Hanover County Commrs. plan \$1,250,000 bond issue.

Okla., Blair—Water Works—Town Trustees will call election soon on bonds.

Okla., Chandler—Bridge—City, C. L. Boggs, City Clk., voted \$25,000 bonds; Benham Engineering Co., Consit. Engrs., 502 Gumble Bldg., Kansas City, Mo.*

Okla., Collinsville—Light and Power Plant—City votes March 11 on \$81,000 bonds; plans \$6,000 bonds for fire department. Address City Clk.

Okla., Poteau—Road—State Highway Dept., Oklahoma City, plans bond issue.

Tenn., Chattanooga—Public Improvement—City Comm. receives bids Mar. 27 for \$1,000,000, including \$325,000 Broad St. bonds.

Tex., Amarillo—School—Amarillo Independent School Dist., Geo. M. Waddill, Sec., receives bids Mar. 15 for \$240,000 5% \$1000 denom. bonds.*

Tex., Beaumont—Drainage—Drainage Dist. No. 6 votes Mar. 27 on \$78,735 bonds; W. M. Crook, Atty.

Tex., Bertram—School—City voted \$15,000 bonds. Address Board of Education.

Tex., Big Lake—Courthouse—Reagan County Commrs. Court will call election Mar. 24 on \$50,000 bonds.

Tex., Cotulla—Irrigation Dam—La Salle County Water Improvement Dist. No. 1 defeated \$7,331,000 bonds. Address Board of Directors.*

Tex., Denison—Paving—City, R. G. Gresham, Sec., will call election April 6 on \$50,000 bonds; C. E. Hayden, Engr.

Tex., Denison—School—Board of Education, Ben W. Munson, Pres., will call election April 6 on \$150,000 bonds.

Tex., Dilley—Dilley Independent School Dist may vote on \$55,000 bonds. Address Pres. Board of Trustees.

Tex., George West—Road—Live Oak County, E. L. Riser, Judge, plans bond election.

Tex., Groveton—Water Works—City receives bids March 10 for \$50,000 6% warrants. Address City Clerk.

Tex., Houston—Water Works—City, O. F. Holcombe, Mayor, plans \$1,000,000 bond election; J. C. McVea, City Engr.

Tex., Jourdanton—Paving—City votes Mar. 6 on \$40,000 bonds. Address City Clk.

Tex., Mesquite—School—Pleasant Mound Dist. No. 2 voted \$20,000 bonds. H. G. Read, Pres. Board of Education.*

Tex., Levelland—Courthouse—Hockley County, J. R. Evans, County Judge, will call election soon on \$200,000 bonds.

Tex., Muleshoe—Water Works—City plans \$40,000 bond election. Address City Clk.

Tex., Nacogdoches—City, W. I. Baker, Mayor, voted \$50,000 water and \$35,000 sewer bonds.*

Tex., Ranger—School—Board of Education will call election soon on \$40,000 bonds.

Tex., Runge—Sewer—City, A. C. Nusom, Mayor, contemplates bond election.

Tex., San Augustine—Courthouse—San Augustine County, W. C. Gary, Judge, plans \$75,000 bond election.

Tex., Sherman—Street—City, J. A. Henderson, Clk., receives bids Mar. 15 for \$100,000 4¾% bonds.*

Tex., Winters—School—Winters Independent School Dist. voted \$110,000 bonds. Address Pres. Board of Trustees.*

Va., Martinsville—Municipal Improvement—City, Turner Clement, Judge, will call election soon on \$110,000 bonds: \$50,000, water works; \$60,000, street improvement.*

Va., Princess Anne—Road—Princess Anne County contemplates \$353,000 bond issue. Address County Commrs.

Va., Portsmouth—Refund—City, J. P. Jervey, Mgr., contemplates \$65,000 bond issue.

W. Va., Fairmont—Road—Marion County Commrs. Union Dist. plan \$100,000 bond election.

Bond Issues Sold

Ala., Anniston—Municipal Improvement—City sold \$65,000 5½% bonds to Ward, Sterne & Co., Birmingham.*

Ala., Birmingham—Improvement—City Comm. sold \$9000, 4.60% bonds to sinking fund.

Ala., York—Water Works—City sold \$37,500 6% bonds to Meridian Finance Corp. of Meridian.

Fla., Delray—Improvement—City, Mayor Smith, sold \$900,000 bonds to Spitzer, Rorick & Co. and Prudden & Co., Toledo, Ohio.

Fla., Inverness—Municipal Improvement—Town, George T. Confrey, Clk., sold \$200,000 6% bonds to Prudden & Co., Toledo, Ohio, at premium of \$950.

Fla., Miami—Municipal Improvement—City, F. H. Wharton, Mgr., sold \$2,500,000 5% bonds jointly to Stranahan, Harris & Oatis, Inc., Eldredge & Co., Redmond & Co., B. J. Van Ingen, all New York; and Wright, Warlow & Co., Orlando, Fla.

Fla., Palm Beach—City Comm. sold \$1,675,000 bonds to Palm Beach Bank & Trust Co. at 97% and accrued interest.

Fla., Perry—Municipal Improvement—Town, John E. Powell, Clk., sold \$50,000 6% bonds jointly to Perry Banking Co. and First National Bank at 98 and accrued interest.*

Fla., Sanford—Street—City, Forest Lake, Mayor, sold \$232,000 bonds jointly, to W. H. Silverman & Co., Dixie Terminal Bldg., and Taylor-Wilson Co., both Cincinnati, at premium of \$2400.

Ga., Elberton—Bridge—Elbert County Commrs., R. L. Rice, Clk., sold \$36,000 4½% bonds to First National Bank, Elberton, at \$36,120 and accrued interest.*

Ky., Covington—School—Kenton County Commrs. sold \$425,000 4¾% bonds to Halsey, Stuart & Co., Chicago, at premium of \$21,050.

La., Minden—School—Webster Parish School Board, E. S. Richardson, Sec., sold \$65,000 6% Shongaloo School Dist. No. 19 bonds jointly to City Savings Bank & Trust Co., Shreveport, and Interstate Trust & Banking Co., New Orleans, at premium of \$625.*

La., Vidalia—School—Concordia Parish School Board, D. C. Strickler, Sec., sold \$75,000 5% \$1000 denom. School Dist. No. 6 bonds to Interstate Trust & Banking Co., New Orleans, at 100.*

Miss., Long Beach—Water Works—Town, Jas. E. McCormack, Clk., sold \$75,000 bonds to S. L. McGlathery, Pass Christian.*

Miss., Vicksburg—Liquidation Debt—City, S. S. Patterson, Clk., sold \$125,000 5% bonds to I. B. Tigrett & Co., Jackson, Tenn., at par, accrued interest and premium of \$2765.*

N. C., High Point—Municipal Improvement—City sold \$1,050,000, 4¾% bonds to Commercial National Bank, High Point, and Claude E. Miller and R. M. Grant & Co., 115 Broadway, both New York.

N. C., Tabor—Water Works—Board of Commrs., A. P. Rogers, Town Clk., sold \$75,000 6% coupon bonds to Slayton & Co., Toledo, at premium of \$400.*

S. C., Greenville—Water Works—City, W. C. Beacham, Chmn., Water Works Comm., sold \$500,000 bonds to Old Colony Trust Co. and E. H. Robins & Sons, Boston, at premium of \$26,000.

Tenn., Greeneville—Road—Greene County Commrs. sold \$170,000, 5% bonds to First National Bank, T. D. Brabson, Pres., at premium of \$9,375.

Tenn., Pulaski—Highway—Giles County, J. C. Hannah, County Judge, sold \$150,000 5% bonds to American National Co., Stahlman Bldg., Nashville, at \$4572 premium.*

Tenn., Rutherford—Water Works—Town sold \$50,000 bonds to I. B. Tigrett & Co., Jackson, Tenn.

Tex., Floresville—Water Works—City sold \$40,000 bonds to Garrett & Co., Dallas.

Tex., Frost—Water Works—City sold \$65,000 5% \$1000 denom. bonds to M. W. Elkins, Little Rock, Ark.

(Continued on page 150)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



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FINANCIAL NEWS

(Continued from page 148)

Building and Loan Associations

Fla., Fort Lauderdale—Citizens' Building, Loan and Savings Assn., capital \$200,000, chartered; Jas. S. Rickards, Pres.; D. P. Loomis, Sec.-Treas.

Md., Baltimore—Coldstream Building and Loan Assn., Inc., 912 N. Arlington Ave., capital \$520,000, incorporated; A. C. Doyle.

Md., Baltimore—Hancock Building and Loan Assn., Inc., 6 E. Mulberry St., capital \$1,000,000, incorporated; Julian B. Boyd.

Miss., Gulfport—Hewes Building & Loan Assn., capital \$1,000,000, chartered; F. S. Hewes, P. A. Stillwell.

N. C., Smithfield—Smithfield Building & Loan Assn., organized; H. B. Marrow, Pres.; J. H. Abell, Sec.-Treas.

Okla., Alva—Alva Building and Loan Assn. increased capital, \$500,000 to \$750,000.

Okla., Madill—Marshall County Bldg. & Loan Assn. increased capital \$300,000 to \$400,000.

Okla., Okmulgee—Okmulgee Building and Loan Assn., 110 E. Main St., increased capital, \$3,350,000 to \$4,100,000.

Tex., Eastland—Chamber of Commerce interested in organizing Building & Loan Assn.

Tex., Dallas—Republic Building & Loan Assn., capital \$10,000,000, chartered; G. A. Heilig, 4023 Crutcher St.

New Financial Corporations

Ala., Ensley—Citizens' Finance & Loan Co., Ave. E., capital \$225,000, organized; Keith Bryant, Mgr.

Ark., Little Rock—Southwest Joint Stock Land Bank, capital \$250,000, organized; M. F. Dickinson, Pres.; H. Grady Miller, V.-P. and Sec.

Ark., North Little Rock (Ind. Sta., Little Rock)—Bank of Commerce, First National Bank Bldg., Second and Main Sts., capital \$50,000, organized; C. C. Conlee, Pres.

Fla., Avon Park—Eisele Bros. Finance Co., capital \$200,000, organized; C. M. Eisele, Pres.; C. H. Moffett, Sec.

Fla., Avon Park—Mortgage & Finance Co., capital \$500,000, incorporated; C. E. Lanier, Pres.

Fla., Lynn Haven—First National Bank of Lynn Haven, capital \$25,000, organized; D. J. Bailey, Correspondent.

Fla., Orlando—North Orlando State Bank, Blackstone Hotel, chartered; Louis C. Massey, Pres.; C. DeWitt Miller, V.-P.

Fla., Panama City—Commercial Bank of Panama City, capital \$100,000, incorporated; L. E. Vickery, Pres.

Fla., Pompano—Bank of Pompano, A. P. Anthony, Pres., Jacksonville, increased capital, \$25,000 to \$50,000.

Fla., Tampa—Oldsmar State Bank changed name to First State Bank of Tampashores, and increased capital, \$30,000 to \$60,000; James H. Thompson, Pres.

Fla., West Palm Beach—Surprise Investment Co., capital \$250,000; L. Randolph, I. S. Dunkle.

Ga., Atlanta—Major Walter A. Sims and associates interested in organizing bank with \$1,000,000 capital.

Md., Baltimore—Anrac Securities Corp., Calvert Bldg., capital \$100,000, incorporated; E. Horry Frost.

Md., Baltimore—Century Trust Co., Douglas Thomas, Pres., Baltimore and St. Paul Sts., plans increasing capital, \$500,000 to \$1,000,000.

Mo., St. Louis—Missouri Finance Corp., capital \$40,000, incorporated; Isadore Kotner, 3913 Lafayette St.

Mo., St. Louis—Northside Investment Corp., capital \$100,000, incorporated; Fred Gehrmann, 3409 Iowa Ave.

N. C., Garland—Bank of Garland, capital \$50,000, chartered; J. J. Stafford, Abel Warren.

N. C., Hendersonville—American Bank & Trust Co., S. H. Hudging, Pres., Toms Bldg., Fourth Ave., reported plans reorganizing and increasing capital, \$25,000 to \$1,000,000.

N. C., Monroe—Farmers & Merchants Bank, A. M. Secret, Pres., and Monroe Bank & Trust Co., R. B. Redwine, Pres., merged as Farmers Bank & Trust Co., capital \$100,000;

R. B. Redwine, Chmn. of Directors, John C. Sikes

N. C., Washington—Hood System Industrial Bank, capital \$100,000, A. D. MacLean, J. M. Harrington.

N. C., Whitesville—Waccamaw Bank & Trust Co., capital \$25,000; chartered; J. S. Bowers, W. H. Powell.

Okla., Anadarko—American Savings and Loan Assn. increased capital, \$750,000 to \$1,500,000.

Okla., Enid—Liberty Savings and Loan Assn. increased capital, \$2,000,000 to \$2,500,000.

S. C., Charleston—Peoples National Bank, R. Goodwyn Rhett, Pres., and First National Bank, John C. Simonds, Pres., merged as Peoples First National Bank; R. Goodwyn Rhett, Director.*

Tenn., Jackson—S. A. Spencer, Memphis, interested in establishing industrial bank.

Tenn., Memphis—Americanized Investment Bank Corp., capital \$70,000, incorporated; O. N. Wilkins, C. A. Burford

Tex., Ballinger—Russell County Co-operative Bankers' Assn., organized; Bert Low, Cashier, First National Bank, Winters, Chmn.

Tex., Dallas—Dallas Merchants & Manufacturers Finance Corp., capital \$260,000, organized; M. J. Norrell, Mgr. Dallas Manufacturers' Assn., interested.

Va., Richmond—First National Bank, J. R. Miller, Jr., Pres., and Merchants National Bank, M. C. Branch, Pres., consolidated as First and Merchants National Bank of Richmond, capital \$3,000,000; John M. Miller, Jr., Pres.; Jas. M. Ball, Jr., Cashier.

W. Va., Wheeling—Fidelity Investment Assn., 1229 Main St., plans increasing capital, \$200,000 to \$500,000.

Bank of Guthrie, W. H. Rogers, Pres., Guthrie, Okla., purchased Farmers & Merchants' Bank of Guthrie, W. Allensworth, Pres.

Florida Bankers Bond & Mortgage Co., Will R. Peters, Pres., West Palm Beach, Fla., capital \$2,000,000, established branch offices in Delray.

"Current Finance," published by J. M. Dalgier & Co., Inc., Baltimore, Md., advertising agents, is an interesting paper, the present issue being especially seasonable with extracts from the report of the committee on real estate securities of the Investment Bankers Association of America, which was adopted at the recent convention held at St. Petersburg, Fla.

J. P. Carey, Jr., Pres., Keowee Bank, Pickens, N. C., plans converting bank into Carey National Bank.

(Continued from page 146)

Branch at Orlando, Fla.

The Pittsburgh-Des Moines Steel Company of Pittsburgh, Pa., has opened a branch office at 317 Bass Arcade Building, Orlando, Fla., with John E. Jackson in charge.

Large Contract for Concrete Silos.

The National Cement Co., Birmingham, Ala., have just moved into a commodious suite of offices in the Brown-Marx Building in that city. One of their recent contracts is from the Bland Engineering Co. for ten concrete storage silos at Ragland, Ala., and other orders for cement have also been coming in rapidly.

W. P. Davis Resigns From Knoxville Iron Company.

W. P. Davis, general manager of the Knoxville Iron Co., Knoxville, Tenn., for the last ten years, has resigned, and is succeeded by H. W. Van Benschoten, who has for some time been assistant general manager. The company manufactures iron and steel bars, angles, channels, steel stone saw blades, etc. Mr. Davis has not yet decided what his future work will be, but he expects to remain in Knoxville indefinitely.

Office Removal.

The American Institute of Steel Construction, Inc., now has its executive offices at 285 Madison avenue, New York, N. Y., having removed there February 20.

American Holist and Derrick Branch.

The American Holist & Derrick Co. of St. Paul, Minn., has opened another branch office at 1943 Railway Exchange Building, St. Louis, Mo., with Ward B. Maurer in charge, who has a wide acquaintance among railroad men and other users of hoisting machinery in general. Before joining the sales forces of the company, several years ago, he was on the engineering staff of the Baltimore & Ohio Railroad. The company also has offices in Chicago, New Orleans, New York, Seattle and Pittsburgh.

Best Foods Plant at Jacksonville.

The Best Foods, Inc., of New York and other cities, has found it necessary to open a plant in Jacksonville, Fla., for the manufacture of mayonnaise dressing and kindred products. The output of the Jacksonville plant will be distributed throughout the South instead of making shipments from New York as formerly. An idea of its capacity is afforded by the statement that it will require 20,000 fresh eggs and 20,000 pounds of sweet salad oil every week for making its products. G. C. Spitzmiller is general manager.

Bethlehem Chemical Co.'s New Plant.

The Bethlehem Chemical Company will soon establish a plant at Wilmington, Del., to make paint and lacquer, according to a report from that city. Capital of the company is \$1,000,000 and the officers are M. J. Connally, president; E. F. Johnson, vice-president and treasurer, and T. M. Smith, secretary. It is further stated that the first machinery unit is being installed and that a capacity of 60,000 gallons a month is proposed. The plant acquired by the new company is that formerly used by the Artillery Fuse Company.

Universal Cement Plant at Cleveland.

The Universal Portland Cement Co. has bought a tract of land at Cleveland, Ohio, on which it proposes to build a modern cement plant with a capacity of 1,500,000 barrels a year. Plans have been drawn and are being perfected; it is expected that construction will begin soon. The plant will be in the heart of the industrial section of the city on the Cuyahoga River and also on the Newburgh & South Shore Railway, which connects with all railroads entering the city. The company already has plants at Chicago, Pittsburgh and Duluth, with combined annual capacity of 16,500,000 barrels of cement.

Leffel & Co. Get Large Turbine Contract.

The James Leffel & Co., manufacturers of turbine water wheels, steam engines and boilers, Springfield, Ohio, have been awarded a contract by Henry L. Doherty & Co., 60 Wall street, New York, N. Y., for three large, vertical type, water-wheel turbines, installed in steel flumes, to be direct connected to vertical Westinghouse generators, which will be mounted directly on top of the steel flumes, making complete, self-contained, direct-connected, hydro-electric units. Two of these units will be installed in a new plant which the Athens Railway & Electric Co. of Athens, Ga., will build; the other unit will be installed in the plant of the Watauga Power Co., near Bristol, Tenn.

* writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

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1884 Southern men and women who lived in, or visited Baltimore in the period when this Company was established—which was the year of 1884—will be interested, we believe, in our anniversary book "The Early Eighties: Sidelights on the Baltimore of forty years ago." A copy will be sent upon request.

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E. A. Hirschman, Sec'y, Chamber of Commerce, York, Pa., says: "Two things our new hotel has done; established a focal point of cooperative civic consciousness and raised the city in the estimation of the traveling public."

A Tale of Two Cities~

the difference is in the Hotels!

Here's a town, keen, live, wideawake; progressive and alert to every opportunity.

It has clean, wide streets, imposing buildings, community centers, and a modern hotel!

The other town slouches along with a hotel of the wash-bowl-and-pitcher type and wonders why visitors fail to crowd its streets.

York, Pa., with its magnificent Hotel Yorktowne is of the one type; you, perhaps, can provide the name of the other!

The Yorktowne was Hockenbury financed, being one of over 100 hotels so financed, and folks say the new hotel has still further stimulated local business and civic spirit, besides providing a profitable investment.

THE FINANCIALIST, a journal devoted to community hotel finance, may assist you in bringing a modern hotel to your city. Your name on our complimentary Manufacturers list "M-4" will bring it to you without obligation on your part.

The HOCKENBURY SYSTEM Inc.
HARRISBURG - - - PENNSYLVANIA

HEMP AS A SUBSTITUTE FOR FLAX.

Inventor of New Machine Claims Great Economy in Cleaning the Fiber.

"The shortage of flax during the late war, as well as the decrease in growing it, caused fabric mills to use hemp as a substitute with such good results," says G. A. Lowry of Lowry & Grant, Inc., engineers, New York city, "that it is only by chemical analysis or microscopical examination that linen made therefrom can be distinguished from that made from flax, thus opening up new avenues for the consumption of hemp and renewed interest in growing it, the methods employed and the costs of production.

"Although the hemp crop is one of the largest of the world's production of fibers, the larger part of it is still cleaned by hand, which is both costly and exceedingly laborious. The great expense of installing hemp-cleaning mills such as now used in this country has limited its production to areas within a hauling distance of the mills, and there can be no general growing of hemp until a method for mechanically cleaning it has been devised, one that is within reach of the farmer or of two or three farmers in combination. Plans to realize this are under way."

Mr. Lowry also writes: "I spent last fall in Ireland with a machine to clean flax without making any tow. This winter I have been in a hemp mill at Wayne, Ill., with a machine which cleans hemp and makes no tow. Machines now in use make 30 per cent of tow from flax and 50 per cent of tow from hemp. Producing hemp under 6 cents per pound makes it cheaper than sisal, for it has twice the length for the same tensile strength. It is the easiest of all crops to grow and handle and not bad on the land. I see no reason why the United States and Canada cannot raise their own binder twine material."

"In the prevalent methods of decorticating hemp," again says Mr. Lowry, "the straw is subjected to bruising and breaking action in order to break up the woody portion of the straw, which is ensheathed in a coating of fiber. The wood portion when broken up is known as 'shards,' and in order to separate the shards from the fiber in which they were encased the mass is submitted to the beating and combing action of six rapidly revolving drums having wooden blades and wire combs. The severity of these processes is shown in the fact that barely one-half comes out in line (straight fiber is known as 'line'), the remainder being fibers criss-crossed and tangled, and known to the trade as 'tow.' As it is essential in spinning that the fibers be parallel to each other, the loss to the spinner in straightening tow is 25 per cent greater than in line; therefore its lesser market value.

"By the Lowry method the fiber is first peeled from the stalks in ribbons and the projecting woody portion is then broken into shards. As the fiber is never subjected to breaking or beating, no tow is made; the sole products of this method are line fiber and shards."

Mr. Lowry submits data to show that by the old method of preparing hemp there would be a cost of \$75,000 for complete plant, power and equipment and season's expenditures of \$16,825, whereas by his method the cost of the establishment would be only \$15,000 and the season's expenditures only \$5775, these conclusions being based on plants of equal capacity of 400,000 pounds, the difference claimed being that by the present method there would be about one-half line fiber and about one-half spinning tow, and by his method there would be all line fiber and no tow, but in either case the amount of shards would be the same. Mr. Lowry also claims that there would be a large saving per 100 pounds by his methods in the cost of growing and cleaning hemp.

Work Started on \$1,000,000 Club Building.

Miami, Fla.—Work has begun on the new building to be erected here by the Miami Athletic Club at an estimated cost of \$1,000,000. The structure will be of steel, limestone and terra cotta and will carry the Shuster system of floors. John Ebersson of Chicago is the architect, and the George A. Fuller Co. of New York, general contractor.

Sanford to Vote on \$2,500,000 of Bonds.

Sanford, Fla.—The proposed bond issue to be decided at an election here on March 19 has been raised from \$2,000,000 to \$2,500,000, the additional sum to provide for a new municipal hospital and city pier to be constructed by dredging a slip inside the Seminole boulevard, which will skirt the lake shore. The Chamber of Commerce here has approved the issue.

Bonds for Volusia County Schools.

De Land, Fla.—An election has been called by the Volusia County Board of Public Instruction for March 11 in De Land school district on a bond issue of \$600,000 for the construction of additional schools in De Land. The board also called elections for the same date in Holly Hill district No. 32 and Orange City district No. 13, each on an issue of \$60,000. On March 16 bids will be opened for the purchase of \$30,000 of bonds of Pierson school district No. 39.

Contract for \$4,000,000 New Orleans Building.

New Orleans, La.—General contract has been awarded by the Canal-Commercial Bank & Trust Co. to the O. M. Gwin Construction Co. of this city for the erection of its new bank and office building at Baronne and Common streets to cost approximately \$4,000,000. The structure will be of Italian Renaissance type, 110 by 235 feet, 18 stories, and will contain more than 350,000 square feet of office space. Provision will be made for a three-story banking room, the upper floors of the structure to be served by 12 high-speed elevators. Emile Weil, Inc., of New Orleans is the architect.

Workers' Efficiency Increased by Serving Afternoon Tea.

An innovation in factory procedures in Baltimore has been recently introduced by McCormick & Co., Inc., blenders and packers of tea. The office and factory workers in the McCormick Building are served with a cup of hot tea every afternoon. At the beginning of the service, a month ago, few of the employes availed themselves of the refreshment; now, everyone apparently looks forward to the afternoon cup. A white-coated waiter visits each department and places a steaming cup of tea beside each worker. Cream and sugar are provided for those who desire it, but many have now learned that the best way to enjoy the beverage is to drink it without either, says the company. The firm finds it is repaid for this expenditure in the increased efficiency of its workers.

While the idea is new to America, it is a very common custom in England and some other foreign countries.

Recent investigations by scientists apparently establish a food value in tea, which is said to possess a new life-giving vitamin called "bios," and experiments so far conducted indicate that this tea vitamin is of great value and that preparations for further investigations are under way. Tests have revealed that office and factory workers are about 25 per cent undernourished, and Americans may find that the English custom of serving afternoon tea has real merit aside from its social features.

Clifton D. Benson
President

Announcement

Bankers Bond & Mortgage Company Announces the opening of offices number 325 Northeast First Street, MIAMI, FLORIDA.

Dealing in mortgages and high grade bonds exclusively, under the direction of

PHILIP J. CORRIGAN

Vice-President and Treasurer and offering to the public a complete investment service.

WE extend the facilities of our organization to those desiring information or reports on companies with which we are identified.

Electric Bond and Share Company

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R. S. DICKSON & CO., Gastonia, N. C.
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Municipal Bonds

Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

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REAL ESTATE MORTGAGE BONDS

We are interested in the purchase of first mortgage bond issues covering business property, hotels, apartment houses, etc., in amounts of \$50,000 and upwards. Entire issues city, county and district bonds purchased.

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Brown-Marx Bldg.

Birmingham, Ala.

FIRST MORTGAGE REAL ESTATE BONDS

We finance the erection of apartments, office buildings and other business property, through purchase of first mortgage bond issues, in amounts of \$50,000 to \$200,000. Larger loans for construction and on completed buildings negotiated through our New York connections.

BRANNAN, BECKHAM & COMPANY

Wynne-Claughton Bldg.

Atlanta, Georgia

Palm Beach to Vote on \$2,000,000 of Bonds.

Palm Beach, Fla.—By action of the Town Council of Palm Beach an election will be held here March 27 on bonds in the amount of \$2,000,000 for financing a proposed improvement program. Six items will be voted on separately as follows: Street lighting, \$125,000; sewers, \$500,000; bulkheading, \$500,000; sidewalks and garbage disposal, \$200,000; widening streets, \$575,000, and additional fire-fighting equipment, \$100,000.

\$1,675,000 Palm Beach Municipal Bonds Sold.

Palm Beach, Fla.—Municipal bonds in the amount of \$1,675,000 have been sold to the Palm Beach Bank & Trust Co., acting as fiscal agents for New York interests. The purchase price was 97 and accrued interest. These bonds are of two issues, \$825,000 of the amount being the last of an improvement issue of \$1,750,000 voted last spring and \$850,000 being the last of an improvement issue of \$2,685,000 issued last summer.

Contracts for \$400,000 Memphis Laundry.

Memphis, Tenn.—Contracts have been awarded as follows for the new \$400,000 structure here for the Memphis Steam Laundry: General construction, F. J. Ozanne Construction Co.; plumbing, Pritchard Brothers; heating equipment, Fischer Heating Co.; electrical work, William Slater Electric Co., and sprinkler system to the Globe Automatic Sprinkler Co., all of Memphis.

The building will be two stories, of Venetian Gothic architecture, the exterior to be of Venetian red brick and cream-colored ornamental terra cotta. It will contain approximately 90,000 square feet of floor space. E. L. Harrison of Memphis is the architect.

Delray Sells \$900,000 of Bonds.

Delray, Fla.—A \$900,000 bond issue for various municipal improvements has been sold to Spitzer, Rorick & Co. and Pruden & Co. of Toledo, Ohio, at an approximate total of \$815,000. Improvements to be undertaken will include the construction and equipment of water-works system, construction of filtration system and extension and improvement of the present water system, construction of central sewage-disposal system, new electric lighting system, parks and playgrounds, and widening streets, constructing curbs, gutters and sidewalks.

Plan to Increase Capital Stock to \$1,000,000.

Stockholders of the Century Trust Co., Baltimore, Douglas Thomas, president, have been notified of a special meeting to be held on March 11 to act upon a recommendation of the Board of Directors for amendment of the charter in order to increase the capital stock from \$500,000 to \$750,000 on April 6 and to \$1,000,000 on July 6, and for the purpose of approving the sale of the additional stock at \$150 per share. The par value of the stock is \$50, and it is understood to be the policy of the board to increase the dividend rate from 12 per cent, as at present, to 16 per cent if earnings justify.

5000-Kilowatt Power Station for Nortonville.

Nortonville, Ky.—The J. G. White Engineering Corporation of New York has been engaged by the Kentucky Electric Power Corporation of Nortonville to design and construct here a steam-electric power station of 5000 kilowatts capacity. The plant will be equipped with high-pressure boilers and turbines and will use pulverized fuel. Provision will be made for future extensions. Plans and specifications are nearing completion and construction work has already begun.

Whatever Your Question



Be it the pronunciation of vitamin or marquisette or soviet, the spelling of a puzzling word—the meaning of overhead, novocaine, etc., this "Supreme Authority"

Webster's New International Dictionary

contains an accurate, final answer. 407,000 words. 2700 pages. 6000 illustrations. Constantly improved and kept up to date. Copyright 1924. Regular and India Paper Editions. Write for specimen pages, prices, etc. Cross Word Puzzle workers should be equipped with the New International, for it is used as the authority by puzzle editors. FREE Pocket Maps if you name Manufacturers Record.

G. & C. MERRIAM CO., Springfield, Mass., U. S. A.

An Effective Means to Dispose of Property
is by advertising it in our

CLASSIFIED OPPORTUNITIES DEPARTMENT

THIS ADVERTISEMENT

LAUNDRY FOR SALE—Well-equipped steam laundry, running about \$375 to \$400 per week. Very little agency work, but have fine territory. Located in the heart of the rice belt in Southwest Louisiana in a town of 7000. Proper man can double business. Price of plant is \$7500. Real estate can be bought or rented. Reason for selling, present owner not a laundry man. For further information write Crowley Steam Laundry, W. W. Dusen, owner, Crowley, La.

SOLD THE PROPERTY

We have other letters showing how we are bringing together buyers and sellers for properties of all kinds. Write us if you have property for sale.

MANUFACTURERS RECORD

BALTIMORE, MD.

"...25c saved on every
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DOLLAR..."

INSURE your Buildings and Automobiles in Guaranty Fire Insurance Co., 20 Washington Place, Newark, N. J.
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You can do this by
dealing direct instead of through
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J. Ernest Smith, President and General Counsel.
Chas. Warner Smith, Vice-President.
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Let Us Help You Carry Out Your Building Plans



Medical Arts Building

HOUSTON, TEXAS

This magnificent new fire-proof structure conservatively valued at \$2,186,150—15 stories, with parking space for 100 cars in the basement—was financed with the aid of Adair Guaranteed Bonds, issued by the Adair Realty & Trust Company.

Thousands of Investors— with Millions to Invest

SCATTERED over the United States, in Europe and the Orient, thousands of investors look to the Adair Realty & Trust Company for the safe and profitable investment of their millions of accumulated capital.

They realize that our long experience (extending over 60 years) is their best assurance of safety. They know that we stand ready at all times to cooperate with the builder—and that often the builder's problems have been solved through our knowledge of real

estate financing and leasing. Again and again we have been able to suggest the class and type of building that would prove most profitable in a given location. Again and again we have suggested a change in plans, thereby increasing earnings and effecting a saving in building costs.

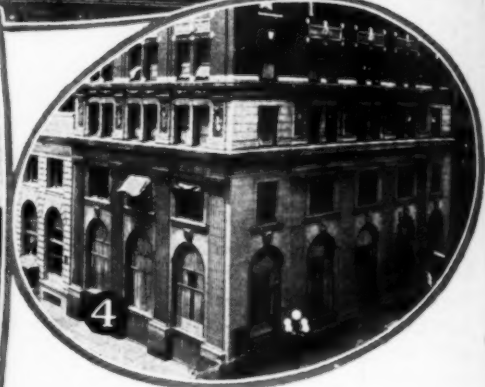
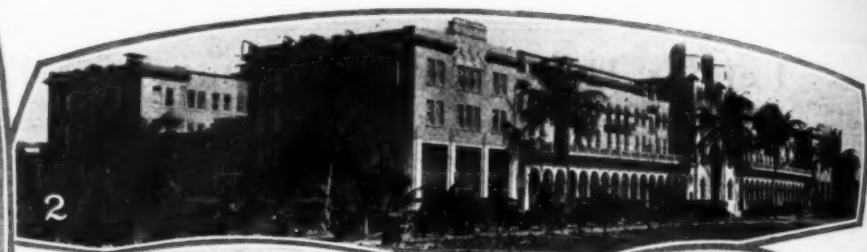
We will be glad to discuss with you the financing of new buildings, extending loans of \$250,000 and upwards, to be secured by first mortgages upon sound properties—or we will be glad to discuss plans which may later be suggested to your clients.

Adair Realty & Trust Company

The South's Oldest Mortgage Investment House

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MR-1



- 1—Columbia Mutual Tower Bldg., Memphis. Konset used in all concrete. Keely Bros., Contr. Co., E. St. Louis, Ill., Contrs.
- 2—New Palm Beach Hotel, Palm Beach. Konset used in all concrete and stucco. Mortimer-Dickerson-Metcalf, Archts. T. A. Clark Co., Contrs.
- 3—Lowenstein's Dept. Store, Memphis. Early completion safely hastened by Konset. Harker & Cairns, Archts. Gauger & Korsmo Constr. Co., Contrs.
- 4—Central State Nat. Bank, Memphis. Konset floors in this building. Hodgson Bros., Engrs. and Contrs.
- 5—Fischer Lime & Cement Co., Memphis. Plant addition. Konset used in all concrete. W. F. Schulz, Arch. and Engr. Kaucher Hodges & Co., Contrs.
- 6—Iten Biscuit Co., Oklahoma City. Konset replacing ordinary cement set less than a year ago.
- 7—Alba Hotel, Palm Beach, Fla. Konset used in all concrete. Allen & De Young, Archts. George W. Langford Co., Contra.

Kontite is the colored cold-water paint that really sticks to concrete, waterproofing, dust-proofing and beautifying new and old concrete walls, floors, stucco, plaster, etc. Write for circular and color card.

Safeguarding concrete on big jobs—with Konset

Big jobs must go through on schedules that mean no time-wasting, for big building projects must begin to earn income without delay.

Take out the time lost in waiting for concrete to set before each successive pouring and you cut down completion schedules by *days* and even *weeks*. Yet, only speed *with absolute safety* will do, and that Konset provides—saving 6 to 8 days in setting time and still making concrete harder and stronger in 72 hours than ordinary cement ever gets!

But Konset is more than an accelerator. It is a simple convenient-to-use material, handily added to the mix, it also protects concrete from its worst enemy—*moisture*, safeguards against freezing, makes winter concreting safe, and permanently colors the cement any tint or solid color you wish. Konset makes concrete a *new* material—easier and more dependable to use in all seasons, more durable and more beautiful in every structural application.

Write for literature, color card, and name of nearest Konset distributor.

THE SULLIVAN COMPANY
Memphis, Tenn. and Montreal, Can.

Manufacturers of KONSET, the integral cement hardening and waterproofing compound—KONTITE, the colored waterproofing paints that stick to cement—KONSEAL, the damp-proofing paint for concrete—ARMOR-TITE, stops concrete-dusting—RUSTCO-TINE, the rust-proof coating for metal—and many other industrial chemicals, paints and compounds.

Konset

The liquid integral cement accelerator, hardener, waterproofer, and anti-freeze compound.

THE CHAMPION FIBRE COMPANY OF CANTON, NORTH CAROLINA



Produces:

Sulphite, Soda, and Sulphate Bleached Chemical
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Liquid, Chestnut Extracts, Foundry Core Binder
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SOUTHERN PRODUCTS
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*The Champion Fibre Company Encourages Scientific Forestry,
Maintaining Forest Nurseries, Protects Timber From Fire
to the End that the Forest Areas of the Southern
Appalachians May Be Perpetually Productive
as well as Perpetually Beautiful.*



PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close March 9, 1926.

\$250,000 5½% Bonds

West Palm Beach, Fla.

Notice is hereby given that the Board of Commissioners of the Lake Worth Inlet District of Palm Beach County, Florida, will offer for sale at public auction at 11 o'clock A. M. March 9, 1926, at Rooms 211-214 Wagg-Willson Building, West Palm Beach, Florida, Bonds of said District in the par value of \$250,000, dated January 1, 1926, bearing 5½% interest, payable semi-annually on July 1 and January 1 in each year, payable serially in numerical order as follows: \$5000 on January 1 of each of the years 1931 to 1940, both inclusive; \$10,000 on January 1 of each of the years 1941 to 1945, both inclusive; \$14,000 on January 1 of each of the years 1946 to 1950, both inclusive; and \$16,000 on January 1 of each of the years 1951 to 1955, both inclusive. Certified check or bank cashier's check from any bank in West Palm Beach or Palm Beach, Florida, or New York exchange, made payable to the District for five per cent of the par value of the bonds, must be tendered by each bidder as and for liquidated damages in case the purchaser fails to enter into a contract in accordance with his bid, or fails to comply with terms of contract. Bonds have been validated by Circuit Court of Palm Beach County, Florida. Unqualified approving opinion of Messrs. Caldwell & Raymond, 115 Broadway, New York City, will be furnished purchaser without charge. Bonds ready for immediate delivery. The District reserves the right to reject any and all bids. Further details and information may be had by applying to Messrs. Chillingworth & Simon, Attorneys, Postoffice Box 1956, West Palm Beach, Florida.

Dated at West Palm Beach, Florida, this 13th day of February, A. D. 1926.

C. H. ELLIS,
Secretary-Treasurer.

Bids close March 10, 1926.

\$1,550,000 Highway Bonds

Ocala, Fla.

Sealed bids will be received by the Board of County Commissioners, in care of the undersigned, in Ocala, Florida, until 2 o'clock P. M.

MARCH 10, 1926.

for \$1,550,000 Marion County Highway Bonds, dated February 1, 1926, maturing annually, February 1, \$100,000, 1936 to 1950, inclusive, and \$50,000, 1951, without option of prior payment.

Denomination \$1000; principal and semi-annual interest (F and A1), payable in New York City in gold; general obligations; unlimited tax; coupon bonds registrable as to principal only. Bonds will bear the lowest interest rate (not exceeding 6% in a multiple of one-fourth of 1%) for which a bid of not less than par and accrued interest is made. No bids will be entertained except for all of the bonds offered.

Purchaser will be furnished the approving legal opinion of Chester B. Masslich, Esq., New York City.

Bids are required on forms which will be furnished by the undersigned, and must be enclosed in a sealed envelope marked "Proposal for bonds," and be accompanied by a certified check for \$31,000, payable to the order of the Board of County Commissioners and drawn upon a bank or trust company, with no qualifications or endorsements on said check that would tend to hinder the collection or payment of same. Under the law, the check of the successful bidder shall be forfeited to the Board of County Commissioners in case such bidder shall fail to comply with the terms of his bid. The bonds will be delivered at a bank or trust company to be named by purchaser in his bid on or about April 1, 1926. The right to reject any or all bids is reserved. The law does not permit an auction or private sale of the bonds, and if the bonds are not awarded upon sealed bids they will be readvertised.

T. D. LANCASTER, JR.,

Clerk of Board of County Commissioners.

Bids close March 25, 1926.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. March 25, 1926, and then opened, for the construction of a roadway at Dam No. 2 (Wilson Dam), Tennessee River. Further information on application.

Bids close April 2, 1926.

TREASURY DEPARTMENT, Bureau of Engraving and Printing, Washington, D. C., February 26, 1926. Sealed proposals are invited to furnish dextrine, oils, textiles, dry colors, paper box blanks, paper and check paper during the fiscal year beginning July 1, 1926. The right is reserved to reject any or all bids or parts of bids. Samples must be received at the Bureau of Engraving and Printing not later than 2 P. M. Friday, April 2, 1926. Blank forms with specifications for proposals, giving dates on which the bids for the several schedules will be opened, and further information will be furnished on application to A. W. Hall, Director.

Bids close March 22, 1926.

\$215,000 6% Municipal Improvement Bonds

NOTICE IS HEREBY GIVEN that the City Council of the City of Okeechobee, Florida, will receive sealed bids for the purchase of "City of Okeechobee Municipal Improvement Bonds, Issue of 1926," in the aggregate sum of Two Hundred Fifteen Thousand (\$215,000) Dollars at the office of the City Clerk in the City of Okeechobee, Okeechobee County, State of Florida, until two o'clock P. M. March 22, A. D. 1926.

The bonds to be sold on this date shall be in denominations of One Thousand (\$1000) Dollars each and to bear interest, payable semi-annually, at the rate of six per centum per annum, both principal and interest payable at the Bank of Okeechobee, Okeechobee, Florida, or at the American Exchange Pacific National Bank, New York City, New York, at the option of the holder. Said bonds to be dated February 1, A. D. 1926, interest payable on the first day of August and the first day of February of each and every year after date of issuance until maturity of said bonds. The principal will mature and be payable as follows: Twenty-One Thousand (\$21,000) Dollars on the first day of February, A. D. 1946, and Twenty-One Thousand (\$21,000) Dollars on the first day of February of each and every year thereafter up to and including the first day of February, A. D. 1954; and Twenty-Six Thousand (\$26,000) Dollars on the first day of February, A. D. 1955.

The City Council reserves the right to reject any and all bids and readvertise the bonds for sale, or to reject all sealed bids and continue the sale by auction.

All bids shall be accompanied by Cashier's check or Certified check without conditions in the sum of One Thousand (\$1000) Dollars, made payable to H. H. De Yarmen, President of the City Council of the City of Okeechobee, Florida. The bonds will be ready for immediate delivery and must be paid for within five days after date of sale.

All bids must be addressed and delivered to the City Clerk on or before the hour of sale named above, at which time all bids submitted will be opened and considered.

The City Council will furnish free of charge to the purchasers the approving legal opinion of Caldwell & Raymond and a transcript of the proceedings leading up to the issuance and sale of said bonds.

H. H. DE YARMEN,

President of City Council of City of Okeechobee, Florida.

Attest:

R. P. FLETCHER,

City Clerk of City of Okeechobee, Florida.

(Corporate Seal.)

Bids close March 30, 1926.

Bridge

Sealed proposals, addressed to the City Commission, Tampa, Florida, for the construction of a bridge over the Hillsborough River at Fortune street in the city of Tampa, Florida, will be received by the City Commission at the office of the City Clerk, City Hall, Tampa, Florida, until 11:30 A. M. March 30, 1926, and not thereafter, and at that time will be publicly opened and read. Said proposals should be indorsed "Proposal for Construction of Bridge at Fortune Street."

Plans, specifications, form of proposal, bond and contract for the work are on file in the office of the City Engineer, City Hall, Tampa, Florida, and may be there seen.

Copies of plans and specifications may be obtained from the City Engineer or from the Strauss Bascule Bridge Company, 307 North Michigan avenue, Chicago, Illinois, upon written application therefor and the deposit of Twenty Dollars (\$20). Fifteen Dollars (\$15) of which sum will be refunded upon return of the plans and specifications in good condition within forty-five (45) days' time following the opening of bids.

The bridge has a channel span consisting of a single leaf, overhead counterweight type of Strauss Trunnion Bascule Bridge measuring one hundred one feet (101'-0") from center of main trunnion to center of front support, flanked on each side with reinforced concrete approach spans and retaining walls. The bridge provides a forty foot (40'-0") roadway and two (2) seven foot six inch (7'-6") sidewalks and has a total length of approximately five hundred fifty feet (550'-0") face to face of abutment backwalls.

All proposals must be made upon blank forms attached to the specifications. Each bid is to be presented enclosed in sealed envelopes furnished by the City of Tampa for this purpose, indorsed as above provided, and filed with the City Commission, City Hall, Tampa, Florida, and shall be accompanied by a certified check or bid bond made payable to the City of Tampa for an amount equal to ten per cent (10%) of the amount of the total bid, and no bid shall be considered unless such check or bid bond is enclosed therewith. Such certified check or bid bond shall be delivered upon condition that if said bid be accepted the party bidding will promptly and properly enter into and execute a contract and bond in accordance with the award. Should the successful bidder to whom the contract is awarded fail to execute the same within ten (10) days, not including Sunday or legal holidays, from the date of notification of such award, such security shall be forfeited to the City of Tampa as liquidated damages and the same shall become the property of the City of Tampa. Certified checks or bid bonds of the unsuccessful bidders will be returned to the bidders who submitted them.

A good and sufficient Surety Company's bond, acceptable to the City Commission of the City of Tampa, Florida, will be required for the faithful performance of the construction contract in a sum equal to fifty per cent (50%) of the amount of the contract price.

Contract and bond shall be approved by the City Commission and executed for the City of Tampa by the Mayor Commissioner.

The City of Tampa reserves the right to waive informalities and reject any and all bids.

CITY OF TAMPA.

By W. LESLEY BROWN,

City Manager.

By R. D. MARTIN,

City Engineer.

THE STRAUSS BASCULE BRIDGE COMPANY.

Consulting Engineers.

Bids close March 15, 1926.

TREASURY DEPARTMENT. Office of the Supervising Architect, Washington, D. C., February 19, 1926. **SEALED PROPOSALS** will be opened in this office at 3 P. M. March 15, 1926, for remodeling first story of the U. S. Custom House and Postoffice at Mobile, Alabama. Drawings and specifications may be obtained from the Custodian at Mobile, Ala., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close March 19, 1926.

TREASURY DEPARTMENT. Office of the Supervising Architect, Washington, D. C., February 25, 1926.—**SEALED PROPOSALS** will be opened in this office at 3 P. M. March 19, 1926, for remodeling and enlarging the U. S. Post Office and Custom House at St. Augustine, Fla. Drawings and specifications may be obtained from the Custodian at St. Augustine, Fla., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close April 6, 1926.

Bridge

Bastrop, La.

Sealed proposals will be received by the Police Jury of Morehouse Parish at Bastrop, La., up to 10 A. M. Tuesday, April 6, 1926, and at that time and place be publicly opened and read for the construction of the following bridge over Bayou Bartholomew: Project No. 77 at Zachery Ferry—total length 526 feet, consisting of 426 feet of creosoted timber approaches and a 100-foot steel span through truss superstructure ten ton capacity, providing a 16-foot roadway with creosoted timber floor joists.

Creosoted and untreated bridge lumber and piling will be furnished by the Parish f. o. b. siding at Jones, La., on the Missouri Pacific Railroad, and steel structure will be furnished in place complete by the contractor.

Information as to location, character of work, extent of time, class of material, terms of payment, regulations governing manner of submitting proposals and executing contract, may, on application, be obtained at the office of Parish Engineer at Bastrop, La.

J. LESTER WHITE,
Parish Engineer.

J. W. BRODNAX,
President Police Jury.

Bids close March 9, 1926.

Oiling Highway

STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for oiling six sections of State Highway, as follows:			
No.	Counties.	Miles.	Gallons.
1-2	Caroline, Cecil, Queen Anne's, Talbot, Wicomico, Worcester.....	34.15	62,955
3	Montgomery, Prince George's, St. Mary's....	35.24	66,430
3-A	Anne Arundel, Calvert, Charles, St. Mary's....	76.28	182,478
4-7	Baltimore, Harford....	69.02	146,351
5	Carroll, Frederick, Howard, Montgomery.....	89.11	176,757
6	Allegany, Frederick, Garrett, Washington....	38.75	90,075

Totals.....342.53 725,046
will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 9th day of March, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application.

No bids will be received unless accompanied by a **CERTIFIED CHECK** for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission. (Only one certified check is necessary from each bidder.)

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 20th day of February, 1926.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close March 25, 1926.

Roads and Culverts.

Daytona Beach, Fla.

Sealed proposals will be received by the Ocean Shore Improvement District, a public corporation of Flagler and Volusia Counties, Florida, through its Board of Bond Trustees at the office of the Secretary of said Board at Daytona Beach, Florida, until 2 o'clock P. M. on the 25th day of March, A. D. 1926, for the construction of certain roads and culverts in said district as shown described in the plans and specifications for said construction work. The work will comprise about forty (40) miles of paving twenty (20) feet in width, about Three Hundred (300) acres of clearing and grubbing, and approximately Three Hundred Thousand (300,000) cubic yards of earth embankment.

Bids will be received on the whole or any section or sections of the work.

Plans and specifications may be examined at the office of the Engineer of the District in Daytona Beach, Florida, or for the sum of Twenty-five (\$25) Dollars may be obtained on applying at the office of C. M. Rogers, the Engineer of said District.

Each bidder must accompany his bid with a certified check for Twelve Thousand (\$12,000) Dollars, made payable to the order of W. H. Courtney, Secretary of the Board of Bond Trustees of Ocean Shore Improvement District.

The right is reserved to reject any or all bids, either in whole or in part, or to accept any bid either in whole or in part, as the best interests of the District may appear.

OCEAN SHORE IMPROVEMENT DISTRICT.

(Corporate Seal)

By ED. JOHNSON,
L. O. UPSON,
FRANK BRADLEY,
R. E. NIVEN,
W. H. COURTNEY.

As and constituting the Board of Bond Trustees of said District.
C. M. ROGERS, Engineer in Charge,
Daytona Beach, Florida.

Bids close March 12, 1926.

Highway and Bridges

Nashville, Tenn.

Sealed bids will be received by the State Department of Highways and Public Works at their offices in Nashville, Tennessee, until 10 o'clock A. M. Friday, March 12, 1926, and on that date and hour opened publicly, for the construction of:

Plain cement concrete, or asphaltic concrete, surface on cement concrete base:

7.88 miles in Fayette County.
1.33 miles in Tipton County.
4.80 miles in Dyer County.
17.27 miles in Lauderdale County.
11.41 miles in Greene County.
9.26 miles in Bradley County.
5.23 miles in Knox and Blount Counties.
11.40 miles in Gibson County.

Grading and drainage:

8.68 miles in Shelby County.
10.02 miles in Obion County.
6.85 miles in Bedford County.
0.36 miles in Scott County.
14.48 miles in Cumberland County.
8.51 miles in Morgan County.
17.50 miles in McNairy and Hardin Counties.

15.12 miles in Stewart County.
10.31 miles in McMinn County.
10.33 miles in Hamblen County.

Grading, drainage and bituminous macadam surfacing:

14.50 miles in Robertson County.
Reinforced concrete bridges:

Five in Shelby County.
Five in Obion County.

Three in Morgan County.
Three in McNairy County.

One in McMinn County.
Three in Hamblen County.

One in Davidson County.
Four in Sumner County.

Acceptable surety proposal guarantee bond or certified check, made payable to Department of Highways and Public Works, for not less than five per cent of total bid must accompany bid.

Proposal form, specifications and other information will be furnished by the Nashville office of the Department.

The right to reject any or all bids is reserved.

C. N. BASS,
Acting Commissioner.

Bids close March 12, 1926.

Street Paving

Inverness, Fla.

Sealed proposals addressed to the Town Council, Inverness, Fla., and marked "Sealed Proposal" will be received until 7.30 P. M. March 12, 1926, to be opened immediately thereafter, for furnishing material, equipment and labor and constructing certain work approximately as follows:

98,000 sq. yds. Street Paving, including grading, drainage, curb and gutter and appurtenances.

Each bid is to be on blank forms furnished by the Clerk, and is to be accompanied by a certified check or bid bond issued through a local agency by a bonding company qualified to do business in the State, made payable to Geo. T. Condrey, Clerk, for \$5000, or for 5 per cent of bid on any portion less than the whole.

Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified, if proposal is accepted; otherwise will be returned within ten days.

The right is reserved to reject any and all bids.

Plans and specifications may be seen at the office of the Clerk and the offices of the Engineers at Inverness, and specifications may be obtained from the Clerk upon payment of \$2.00 to cover cost of reproduction.

GEO. T. CONDREY, Clerk.
E. V. CAMP & ASSOCIATES, INC.,
Consulting, Supervising and Testing Engineers,
Atlanta, Ga.; Bartow, Fla.; Jacksonville, Fla.

Bids close March 9, 1926.

Street Improvements

Bossier City, La.

Sealed proposals will be received by the Town of Bossier City, Louisiana, up to 7 o'clock P. M. of the 9th day of March, 1926, for street improvements on the following street:

Ogilvie Avenue, from the east line of Traffic Street to the west line of Bennett Street.

The approximate quantities are as follows:

PAVING.
5,680 sq. yds. of 6-inch Reinforced Conc. Paving, 1:2:3 mix.

EXCAVATING AND GRADING.
2,000 cu. yds. of earth excavation.

5,680 sq. yds. of Rolling and Finishing.
CURB AND GUTTER, ETC.

3,750 lin. ft. of 6-inch curb and 24-inch gutter, comb.

155 lin. ft. of 6-inch single curb.
185 lin. ft. of 36-inch double gutter.

500 lin. ft. of concrete headers.
STORM SEWERS.

5 Manholes, complete.
9 Catch Basins, complete.

230 lin. ft. of 10-inch V. T. Pipe.
780 lin. ft. of 12-inch V. T. Pipe.

155 lin. ft. of 15-inch V. T. Pipe.
450 lin. ft. of 18-inch V. T. Pipe.

610 lin. ft. of 24-inch V. T. Pipe.
2 cu. yds. of Concrete Outlet Protection.

MISCELLANEOUS.
675 lin. ft. of 4-inch extra strong lead pipe, placed.

45 4-inch corporation cocks with lead-flanged coupling, placed.

45 4-inch curb cocks with lead flange placed.

45 2 1/2-inch extension service boxes, 2 feet to 3 feet, placed.

Plans and specifications on file for examination at the office of the Mayor and City Clerk, Bossier City, La., and at the office of the Engineers, E. T. Archer & Company, 1011 City Bank Bldg., Shreveport, La., and New England Bldg., Kansas City, Mo., who will furnish prospective bidders with bidders' blanks, without charge, upon application.

Individual copies of the plans and specifications will be prepared for those desiring same, for which a nominal charge of \$5 will be made and not refunded.

All bids must be made out on bidders' blanks furnished by the Engineers or copies of same and be accompanied by a certified check drawn on some known responsible bank in an amount equivalent to 5% of the bid, guaranteeing the bidder entering into a contract for the work, at the price bid, and the furnishing of a surety bond within a period of 15 days thereafter.

The Council reserves the right to reject or accept any bid without explanation.

TOM HICKMAN, Mayor.
J. W. BIRDWELL, Clerk.

E. T. ARCHER & COMPANY,
Consulting Engineers,
Kansas City, Mo.

Bids close March 12, 1926.

Street Improvements

Tampa, Fla.

SEALED BIDS will be received by the Board of County Commissioners at their office in the Courthouse, Tampa, Florida, until 11 o'clock A. M. March 12, 1926, for paving, grading and curbing the following listed streets in County of Hillsborough, Florida.

Said bids may be for each and every of said streets or for any one or more of said streets. Bids on each street will be considered separately. Contracts will be awarded for each street separately.

Payments for this work will be made in certificates of indebtedness against the abutting property.

A certified check or bidder's bond for the sum of \$4500 must accompany each bid. Make checks payable to W. A. Dickenson, Clerk, Board of County Commissioners.

Specifications and form of bid may be obtained at the office of County Engineer, Courthouse, Tampa, Florida.

The right is reserved to reject any or all bids.

L.	STREET	FROM	TO
1.	Orange Street	Lois Avenue	Vera Avenue
2.	Lemon Street	Lois Avenue	Vera Avenue
3.	Lime Street	Lois Avenue	Vera Avenue
4.	Drew Street	Lois Avenue	Vera Avenue
5.	Vera Avenue	Gray Street	Cypress Street
6.	Grady Avenue	Memorial Highway	Cypress Street
7.	Clark Avenue	Memorial Highway	Cypress Street
8.	Lois Avenue	Memorial Highway	Cypress Street
9.	Church Street	Gray Street	Cypress Street

All streets to be paved with 2-inch Amiesite on 6-inch Lime Rock Base.

Street	Approx. length, feet	Top and base, approx. square yards	Curb, lineal feet	Width, feet	Earthwork, cubic yards	Catch basins, number	Drain Tile Lineal Feet	Concrete Pipe Lineal Feet
1.....	2602	9008	5144	30	4134	.....	4-inch	12-inch
2.....	2610	8191	5168	27	3422	.....	6-inch	15-inch
3.....	2612	8197	5172	27	2730	2	8-inch	18-inch
4.....	2612	9041	5164	30	2367	.....	.....	.....
5.....	1245	4239	2423	27	1572	2	.....	.....
6.....	2302	7350	4540	27	3877	4	.....	.....
7.....	2303	7402	4501	27	1930	4	.....	.....
8.....	2544.7	7130	4821	30	4900	7	.....	.....
9.....	1007.3	3022	2015	27	1810.5	2	.....	.....
Reinforced Concrete Box Culvert:							Concrete Cu. Yds.	Steel Lbs.
6 1/2 feet by 4 feet.....							598.7	62350
7 feet by 4 feet.....							625.5	65030
Pre-Cast Reinforced Concrete Box Culvert:								
6 1/2 feet by 4 feet.....								1323.4
7 feet by 4 feet.....								1333.7

Attest:

W. A. DICKENSON, Clerk.
By FRANCES WHITNEY, D. C.

(Signed) W. T. WILLIAMS, Chairman.

Bids close March 8, 1926.

Street Improvements

Clearwater, Fla.

Sealed proposals will be received at the office of the City Auditor and Clerk, Clearwater, Florida, up to 7.30 P. M. March 8, 1926, at which time they will be publicly opened and read, for certain street improvements in the said city known as Paving Program No. 4.

Quantities are approximately as follows:

130,000 cu. yds. Excavation.
170,000 sq. yds. Paving.
110,500 lin. ft. St. Concrete Curb and Gutter.
5,500 lin. ft. Radial Concrete Curb and Gutter.
Also Storm Drains, Inlets and Manholes.
30,000 sq. yds. Sidewalks.
60,000 lin. ft. 8-inch Sanitary Sewer.
32,000 lin. ft. 4-inch Sanitary Sewer.
Proposals on the following types of pavement will be considered:
Sand Asphalt base.
Florida Lime-rock base.
Vitriified Brick, on sand or above base.
Bituminous Macadam, on above base.
Portland Cement Concrete.

Plans may be seen at the office of the City Engineer in said city. Specifications, with proposal, contract and bond forms, may be obtained from the office of the City Manager upon payment of \$5.00, which will be refunded to bona fide bidders. Certified check or proposal bond for 2 1/2% of amount of bid must accompany all proposals.

The city reserves the right to reject any and all bids.

CHAS. F. MASON, City Manager.

Bids close March 17, 1926.

Street Improvements

Wauchula, Fla.

Sealed proposed for furnishing materials and labor for the improvement of certain streets and avenues in the City of Wauchula, Florida, will be received until 2 P. M. March 17, 1926, by the City Council of the City of Wauchula, Florida. Proposals shall be in a sealed envelope and marked on the outside the nature of the bid.

The contemplated construction program embraces the following approximate quantities:

54,355 cubic yards Excavation.
100,733 square yards of Clay or Florida Lime Rock Base.
109,954 square yards of Wearing Surface.
88,148 lineal feet of Concrete Curb and Gutter.
21,600 lineal feet of Tile Under Drains.
9,960 lineal feet of Storm Drains and necessary appurtenances.

Each proposal must be accompanied by a certified check, drawn to the order of the President of the City Council, for not less than one per cent of the amount bid.

Plans and specifications may be seen at the office of the Engineer or may be secured upon a payment of \$10, or a set of specifications for \$5.00 (which will not be refunded).

Bids may be filed on one or both sections, and the right is reserved by the City Council to reject any or all proposals or bids, or to accept any proposal or bid, or to waive technicalities as they deem best for the interest of the city.

By order of the City Council, City of Wauchula, Florida.

W. D. McINNIS, President.
W. N. TONKIN, Engineer in Charge.

Bids close March 9, 1926.

Plans for Water Supply System

Amarillo, Texas.

Notice is hereby given that the City Commission of the City of Amarillo, Texas, will on March 9, 1926, consider plans for the construction of the Amarillo Municipal Water Supply System. All persons desiring to submit plans and estimates are requested to do so on said date.

JEFF D. BARTLETT,
City Manager.

Bids close March 11, 1926.

Water-Works Improvements

Opelika, Ala.

Sealed bids will be received by the City of Opelika, Alabama, at the office of the City Clerk until 7 P. M. March 11, 1926, and at that time publicly opened, for certain water-works improvements. The same being:

Section 1. Spring Villa Supply Main and

Section 2. Distribution Mains.

The principal items of work are approximately as follows:

31,000 ft. 12-in. Supply Main.
22,000 ft. 10-in. to 2-in. Distribution Mains.

Plans and specifications are on file in the office of the City Clerk at Opelika, Ala., and in the office of the Consulting Engineers, Birmingham, Alabama. Specifications and proposal blanks can be secured on deposit of \$5 from the undersigned or from the Consulting Engineers. Copy of the plans will be mailed by the Consulting Engineers on receipt of payment (not deposit) of \$5.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for Ten Thousand Dollars, made payable to the City of Opelika, Alabama, must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

H. K. DICKINSON,
Mayor.

ROBERT L. TOTTEEN, INC.,
Consulting Engineers,
Birmingham, Ala.

Bids close March 16, 1926.

Water System and Sanitary Sewer Extensions

Perry, Fla.

Sealed proposals addressed to the Town Council, Perry, Florida, and marked "Sealed Proposals for Extensions to Water System and Sanitary Sewers" will be received until 7.30 P. M. March 16, 1926, to be opened immediately thereafter, for furnishing material, equipment and labor and constructing certain work as follows:

Approximately 18,000 lin. feet 4-inch and 6-inch Water Mains, with necessary valves, valve boxes and specials as specified.

Approximately 20,000 lin. feet 8-inch Sanitary Sewers, with necessary manholes and appurtenances, as specified.

Each bid must be on the blank forms furnished by the town and shall be accompanied by a certified check, or a bid bond issued through a local agency, by a bonding company qualified to do business in the State of Florida, and made payable to the Town of Perry, Florida, for an amount equal to five per cent of the total bid. Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified, if proposal is accepted; otherwise will be returned within ten days.

The right is reserved to reject any or all bids or to award separate contracts on (1) Extensions to Water Mains and (2) Extensions to Sanitary Sewers.

Plans and specifications may be seen at the office of the City Engineer and specifications may be obtained upon the payment of \$3.00 to cover cost of same.

ALVA B. GROSS, City Engineer.

Bids close March 8, 1926.

Water Works and Sewer System Improvements

White Springs, Fla.

Sealed proposals will be received by the Board of Bond Trustees of the Town of White Springs, Florida, until 7.30 P. M. Monday, March 8, 1926, for the following water works and sewer system improvements: Two ten-inch driven wells, 100,000-gallon masonry storage reservoir, two motor-driven airlift or other well pumps and three centrifugal service and pressure pumping units, 75,000-gallon elevated steel tank, about three miles of six-inch to ten-inch cast-iron water mains; required hydrants, valves and boxes; about two miles of eight-inch to twelve-inch vitrified or concrete sewers, with necessary septic tank, manholes, etc., and all required accessories thereto, in accordance with plans and specifications on file at the office of the Engineers and at the office of the Town of White Springs, where the bids will be received and publicly opened and read.

Plans and specifications are furnished by the Engineers upon information as to the portion of the work of interest to the applicant accompanied by a deposit of twenty-five dollars, or partial sets of these instruments for fifteen dollars, three-fifths of these deposits being refundable on demand to bona fide bidders and one-fifth to non-bidders, upon prompt return of the instruments in good condition.

The right is reserved to reject any and all bids.

BOARD OF BOND TRUSTEES, WHITE SPRINGS, FLA.

D. N. CONE, M. D., Chairman.
MAIN ENGINEERING CO., Engineers,
112 Baker street, Daytona Beach, Fla.

Bids close March 12, 1926.

Water Works, Sewer and Street Lighting Improvements

Inverness, Fla.

Sealed proposals addressed to The Town Council, Inverness, Fla., and marked "Sealed Proposal," will be received until 7.30 P. M. March 12, 1926, to be opened immediately thereafter, for furnishing material, equipment and labor, and constructing certain work approximately as follows:

WATER WORKS EXTENSIONS.

1,600 ft. 8-inch Pipe.
14,000 ft. 6-inch Pipe.
800 ft. Take up and Relay 6-inch Universal Pipe.

6 tons Special Castings.
58-inch Valves.
15 6-inch Valves.
20 Valve Boxes.
30 Fire Hydrants.
28,000 lin. ft. 1 1/4-inch Pipe.
40 1 1/4-inch Screw End Valves.
40 Valve Boxes for 1 1/4-inch Valves.
200 Water Main Taps complete with 3/4-inch Corp. Cocks and Lead Goosenecks.

6,000 lin. ft. 3/4-inch Galv. Pipe House Connections.

SEWER EXTENSIONS.

14,000 ft. 8-inch Vitrified Clay Pipe Sewers.

30 Manholes and appurtenances.

STREET LIGHTING IMPROVEMENTS.

1 Street Lighting System, including White Way Posts.

Each bid is to be on blank forms furnished by the Clerk, and is to be accompanied by a certified check, or bid bond issued through a local agency, by a bonding company qualified to do business in the State, made payable to Geo. T. Condrey, Clerk, for \$2000, or for 5 per cent of bid on any portion less than the whole.

Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified. If proposal is accepted, otherwise will be returned within ten days.

The right is reserved to reject any and all bids.

Plans and specification may be seen at the office of the Clerk and the offices of the Engineers at Inverness, and specifications may be obtained from the Clerk upon payment of \$2 to cover cost of reproduction.

GEO. T. CONDREY, Clerk.

E. V. CAMP AND ASSOCIATES, INC.,
Consulting, Supervising and Testing
Engineers, Atlanta, Ga.; Bartow
and Jacksonville, Fla.

Bids close March 26, 1926.

Water Main and Sewer Construction

WASHINGTON SUBURBAN SANITARY DISTRICT.

Washington, D. C.

Sealed proposals will be received at the office of the Washington Suburban Sanitary Commission, Evans Building, New York avenue, N. W., Washington, D. C., until 3 P. M. Friday, March 26, for constructing the following:

Contract 58-W. & S.
25,000 ft. of 6-in. to 12-in. C. I. Water Mains.

33,000 ft. of 6-in. to 15-in. V. P. Sewers.
Contract 59-W. & S.

11,300 ft. of 6-in. to 10-in. C. I. Water Mains.

10,700 ft. of 6-in. to 10-in. V. P. Sewers.

Plans and specifications for this work obtainable after March 4, 1926, from Robert B. Morse, Chief Engineer of District, Hyattsville, Md., upon deposit of \$5 for plans of each contract. Deposits will be returned only if specifications and drawings are returned on or before April 1, 1926.

T. HOWARD DUCKETT,
EMORY H. BOGLEY,
J. BOND SMITH,
Commissioners.

Bids close March 10, 1926.

Sewers and Drains

Charlotte, N. C.

Sealed proposals for the construction of certain sewers on certain streets for the City of Charlotte will be received by the Board of Commissioners of the City of Charlotte up to 11 o'clock A. M. of the 10th day of March, 1926. Proposals to be addressed to the City Commissioners and endorsed: "Proposals for Constructing Sewers."

A certified check equal to 5 per cent of the amount of the bid will be required to accompany the bid. Check to be made payable to City Treasurer.

Plans may be seen and specifications obtained at the office of the City Engineer. The right is reserved to reject any or all bids.

By order of the Board of Commissioners this the 27th day of February, 1926.

EDGAR READ, City Clerk.

Bids close March 16, 1926.

Sewers

CONTRACT 11.
SEWER DISTRICT.

West Palm Beach, Fla.

Sealed proposals will be received by the City Commission of the City of West Palm Beach, Florida, up to 12 o'clock noon on March 16, 1926, for furnishing all labor and material for the construction of sanitary and storm water sewers in the Central Borough and portion of the South Borough, Sewer District 11, in accordance with the plans and specifications for Contract 11 on file in the office of the City Manager of said city.

Each proposal must be accompanied with a certified or cashier's check in the amount of two and one-half per cent (2 1/2%) of the amount of the proposal, made payable to the City of West Palm Beach, Florida, as a guarantee that within ten days from notice of awarding of contract the successful bidder will enter into a written contract with the City, and furnish acceptable bond in the amount of one hundred (100) per cent of the amount of the proposal conditioned upon the carrying out of said contract. Checks of unsuccessful bidders will be returned. Each proposal must be sealed and addressed to the City Manager of the City of West Palm Beach, Florida, and shall be in the office of the City Manager not later than 12 o'clock noon on the sixteenth day of March, 1926.

Plans, specifications and blank proposals may be obtained at the office of the City Manager, or at the offices of Fuller & McClintock, 170 Broadway, New York City, and Summit-Cherry Bldg., Toledo, Ohio. The City Commission reserves the right to reject any or all proposals and to award the contract in the best interests of the City of West Palm Beach, Florida.

The amount of work will be approximately as set forth in the following description of Contract 11:

DESCRIPTION OF CONTRACT 11.

Principal Items.

Sanitary Sewers With Plastic Joints.
135,300 linear feet 8-inch vitrified pipe sewer.
7,400 linear feet 10-inch vitrified pipe sewer.
3,000 linear feet 12-inch vitrified pipe sewer.
4,000 linear feet 15-inch vitrified pipe sewer.
1,800 linear feet 18-inch vitrified pipe sewer.
400 linear feet 21-inch vitrified pipe sewer.

Storm Water Sewers With Cement Joints.
800 linear feet 12-inch vitrified pipe sewer.

23,000 linear feet 15-inch vitrified pipe sewer.

14,400 linear feet 18-inch vitrified pipe sewer.

6,000 linear feet 21-inch vitrified pipe sewer.

5,200 linear feet 24-inch vitrified pipe sewer.

3,400 linear feet 27-inch vitrified pipe sewer.

2,500 linear feet 30-inch vitrified pipe sewer.

2,500 linear feet 33-inch vitrified pipe sewer.

2,900 linear feet 36-inch vitrified pipe sewer.

Alternate bids will be received on the 30-inch and 36-inch storm water sewers for segmental tile block and reinforced concrete pipe.

Storm Water Sewers of Segmental Tile Block or Reinforced Concrete Pipe.

3,450 linear feet 42-inch sewer.

725 linear feet 48-inch sewer.

3,750 feet of depth of manholes.

61,000 linear feet 6-inch vitrified pipe house connections.

(Signed) C. A. BINGHAM,

City Manager.

(Signed) H. J. DAUGHERTY,

City Clerk.

T. B. HENRY,

City Engineer.

Bids close March 17, 1926.

Sewage Treatment Work.

Wichita Falls, Texas.

Sealed proposals addressed to the HONORABLE R. E. SHEPHERD, Mayor of Wichita Falls, Texas, for the furnishing of all necessary materials, labor and equipment for constructing a SEWAGE TREATMENT WORKS will be received at the office of the City Clerk of Wichita Falls, Texas, until 4 P. M. March 17, 1926.

Proposals must be upon the forms provided, and must in all respects conform to the requirements of the specifications and instructions to bidders. Each proposal must be accompanied by a certified check upon a Wichita Falls, Texas, bank in the sum of Fifteen Thousand Dollars (\$15,000), payable without recourse to the order of the Mayor, as a guarantee that the bidder will enter into the contract and execute bond in the forms provided within ten (10) days after notice of award of contract to him. Bids without required check will not be considered.

Information for bidders, proposal forms, specifications and plans are on file at the office of MONTGOMERY & WARD, CONSULTING ENGINEERS, 545 HARVEY SNIDER BUILDING, and at the office of the CITY ENGINEER, Wichita Falls, Texas. Copies may be secured upon deposit of Fifty (\$50) Dollars, which deposit, less cost of plans and handling, will be returned to the Contractor on submission of a bona fide bid on the work with such plans and specifications, or upon returning the plans and specifications immediately after examination of same and advising the Engineer that bid will not be submitted the full amount will be returned; otherwise deposit shall be forfeited.

The city reserves the right to reject any or all bids, or to accept any bid, and to waive formalities.

Approximate quantities include 16,000 cu. yds. excavation, 3500 cu. yds. concrete, 135 tons C. I. pipe, Dorr Clarifier mechanism, pumping machinery, valves and miscellaneous pipes and equipment.

The work includes a River Siphon, Pumping Station, Screen Chamber, four Two-story Settling Tanks, Dosing Tanks, Sprinkling Filter and Final Settling Tank.

W. E. McBROOM,
City Clerk.

Bids close March 16, 1926.

Jail Work

Thomasville, Ga.

Sealed bids will be received by the Board of County Commissioners of Thomas County, Georgia, at the office of the Clerk of the Board in the Courthouse at Thomasville, Ga., until 12 o'clock noon on March the 16th, 1926, for furnishing and erecting certain jail work in the County Jail at Thomasville according to plans and specifications on file in the Clerk's office in Thomasville, Ga.

Bidders will file with their bids a certified check for 5% of amount of bid as a guarantee of good faith, said check to be forfeited to the county should bidder, if awarded contract, refuse or fail to promptly enter into contract and give bond as required by Georgia law. Payments will be made in cash on completion of the work and its acceptance by the county.

The right is reserved to reject any or all bids or to accept any bid that appears to be the best interest of the county.

This 16th day of February, 1926.

J. F. PITTMAN,
Chairman, Board of County Commissioners.
By S. L. HEALD,
Clerk, Board of County Commissioners,
Thomas County, Georgia.

Bids close March 17, 1926.

School Building

Baltimore, Md., Feb. 23, 1926.

PROPOSALS will be received by the BOARD OF AWARDS OF BALTIMORE CITY for the erection of the COLORED ELEMENTARY SCHOOL, Preston and Walnut streets, Baltimore, Maryland.

BIDS must be executed in duplicate and enclosed in sealed envelopes addressed to the Board of Awards of Baltimore City, marked on the outside:

"PROPOSALS FOR COLORED ELEMENTARY SCHOOL," and left with Mr. F. A. Dolefield, City Register, at his office in the City Hall, on or before 11 o'clock A. M. Wednesday, March 17, 1926.

EACH BID must be accompanied by a certified check of the bidder on some Clearing House Bank in the amount of

FIFTEEN THOUSAND DOLLARS (\$15,000), made payable to the Mayor and City Council of Baltimore.

The successful bidder will be required to give bond and to comply with the City Charter respecting contracts.

Drawings and specifications may be seen at the office of the Supervising Engineer of the Public Improvement Commission, 518 Hearst Tower Bldg., on and after Friday, February 26, 1926, on deposit of certified check for \$100.

The Board reserves the right to reject any or all bids.

PUBLIC IMPROVEMENT COMMISSION,
H. G. PERRING,
Supervising Engineer.

Approved:
HOWARD W. JACKSON,
President, Board of Awards.

Approved:

JOSEPH PATTI, JR.,

Asst. City Solicitor.

Approved:

B. L. CROZIER,

Chief Engineer.

Bids close March 10, 1926.

School Improvements

Kinston, N. C.

Sealed proposals will be received by the Executive Committee of the Caswell Training School at Kinston, N. C., until 10 A. M. Wednesday, March 10, for the following work in connection with the Caswell Training School:

Alterations and additions to Boys' dormitory, including plumbing.

Composition floors for exercise rooms in Low Grade building.

Pump House and Reservoir.

Water system, including two centrifugal pumps, and one fire pump with capacity of 1000 gallons per minute.

Approximately 4500 feet water line.

Power Line.

In accordance with Act of North Carolina General Assembly, all general contractors must show evidence of having obtained license to do business in North Carolina.

Each proposal must be accompanied by certified check of 3½% of amount of proposal, made payable to L. P. Tapp, Chair-

man Executive Committee. Checks will be returned to unsuccessful bidders.

Plans and specifications are on file at the office of Dr. W. H. Dixon, Superintendent, Caswell Training School, Kinston, North Carolina, and at the office of the Architects at Wilson, N. C., and may be secured from the architects upon deposit of \$25.

The right to reject any and all bids is reserved as set out in the specifications.

L. P. TAPP,
Chairman, Executive Committee.
BENTON & BENTON, Architects.

Bids close March 8, 1926.

Turbine and Condenser

Bids will be received up to 7.30 P. M. Monday, March 8, 1926, for 1 1000-kw. Turbine and Condenser by City of Thomasville Water and Light Department, Thomasville, Ga.

D. R. PRINGLE, Supt.

Bids close April 6, 1926.

Bridge Material

Bastrop, La.

Sealed proposals will be received by the Police Jury of Morehouse Parish at Bastrop, La., up to 10 A. M. Tuesday, April 6, 1926, for the furnishing of creosoted and untreated bridge lumber and piling to be delivered at Jones, La., on the Missouri Pacific Railroad, at which time and place said proposals will be publicly opened and read.

APPROXIMATE QUANTITIES.

Project No. 77, Jones, La., creosoted lumber, 39,000 ft. BM.; untreated lumber, 28,000 ft. BM.; creosoted piling, 4300 lin. feet.

Information as to class of material, terms of payment, regulations governing manner of submitting proposals and executing contract, may, on application, be obtained at the office of the Parish Engineer at Bastrop, La.

J. LESTER WHITE,
Parish Engineer.

J. W. BRODNAX,
President Police Jury.



CLASSIFIED OPPORTUNITIES



MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FOR SALE—Four large timber tracts, with mills; also two going manganese mines.
R. P. JOHNSON,
Wytheville, Va.

CAPITALISTS INTERESTED in an exceptional cement deposit or deposit of best quality yellow ochre should write me. W. W. DEWHURST, Box 601, St. Augustine, Fla. For many years of Mr. Flagler's personal counsel.

NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays; large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

SILICA SAND DEPOSIT

FOR SALE OR LEASE.

A property with an unlimited supply of high-grade silica sand, suitable for glass, pottery and other purposes for which silica sand is used. Location not far from railroad. For particulars, address No. 6560, care Manufacturers Record.

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Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

SOAPSTONE DEPOSIT

PROVEN SOAPSTONE, continuous vein, in Orange County, Virginia, of 78 million cubic feet. Quarry operating. Cores of entire deposit are on exhibition. Excellent quality and suitable for all commercial purposes. Report of Richard K. Meale & Company of Baltimore and other information on request. Additional capital desired for machinery and mill. Rapidan Soapstone Corporation, Orange, Virginia.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

GRAVEL DEPOSIT

A LARGE deposit of gravel, good portion of same, no overburden. Well located as to R. R. and water. Wish to sell on royalty basis. J. J. Matheson, Bennettsville, S. C.

TIMBER AND TIMBER LAND

FOR SALE—Timber lands, cut-over lands, especially suitable for colonizing, ranching or subdivision, located Alabama and Florida. H. H. WEFEL, JR., Mobile, Alabama.

FLORIDA TIMBER LANDS are getting scarcer and scarcer, but still there are some good buys that should interest those seeking timber. If you are in the market for timber lands or have interested clients, communicate with us regarding the following lands or other tracts that we handle:

144,889 acres with 145,000,000 feet of timber cruised, Gulf County, Florida. Price \$30 per acre.

15,000 acres Franklin and Liberty Counties, Florida. Price \$16.50 per acre.

143,000 acres with 500,000,000 feet of cypress and 100,000,000 feet of pine and hardwood. Collier, Lee and Hendry Counties, Florida. Price \$60 per acre.

We also offer the following colonization lands:

100,000 acres Gadsden County, Florida, \$10 per acre.

136,000 acres Liberty County, Florida, \$11 per acre.

HOWARD L. SWISHER & COMPANY,
Land Merchants,
Box 3561, St. Petersburg, Fla.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

TIMBER AND TIMBER LAND

3,000,000 FT. TIMBER FOR SALE—Half of same located on R. R., other 4 miles from R. R. 75% of timber pine, logging good. J. J. Matheson, Bennettsville, S. C.

SAWMILL TIMBER

125 Million Feet Yellow Pine
10 inches in diameter
waist high from ground—
Lacey's cruise.
20 Million Feet Red Cypress.
1 100 Thousand Feet Capacity Mill.
Planing Mills and Equipments.
32 Miles Railroad and Equipments.
Solid Body—Good Grade Timber—
on Railroad and Deepwater Transportation.
Will sell timber and lease mills and
railroad to reliable parties.
Write or wire
SUTTLES-JONES CORP'N, OWNERS,
JACKSONVILLE, FLORIDA.

FARM AND TIMBER LAND

FOR SALE—BIG BARGAIN IN GEORGIA
TIMBER AND FARM LAND; 412 acres,
six miles from the thriving city of Waycross,
Ga. Well timbered and fifty acres cleared
and stumped. Price \$20.00 per acre (timber
alone worth more). Reason for selling to
pay debts. Address
J. E. WADLEY,
Waycross, Georgia.

FARM, FRUIT AND TRUCK LANDS

ALABAMA

WONDERFUL OPPORTUNITIES, with
unlimited possibilities, for investment on
the Gulf Coast at Mobile. The land that
steals your heart away. We have factory
sites, textile mill, central business prop-
erty, farms, orange and pecan groves,
timber tracts, cutover land, water-front
property, homes and desirable building
lots at very attractive prices and easy
terms. Write us for information and
literature. GULF COAST INVESTMENT
COMPANY, INC., REALTORS, 32-34 N.
Royal St., Battle House Bldg., Mobile, Ala.

FLORIDA

LEON COUNTY, FLORIDA.

White-Rivers Company,
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vestment in Florida worth lifetime of labor.

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Titusville, Florida.

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John W. Lepper, Pres. Box 204.

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and Lots in Sarasota and Suburbs.
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REALTORS.

FORT PIERCE, FLORIDA.

Tract of offering of subdivision acreage
and lots in Fort Pierce and suburbs, also
large acreage tracts from sections to four
hundred thousand acres. Ocean and river
frontage.

J. G. COATS, Realtor,
Fort Pierce, Florida.

CARR & CARR, INC.,

Realtors

WEST PALM BEACH, PALM BEACH,
LAKE WORTH.

References—Any bank or trust company in
Palm Beach County.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

TWENTY ACRES AND PLENTY.

Free book tells truth about Florida
land; monthly payments \$1 an acre.
Orange groves, planted, cared for,
10 per cent above cost.

SYLVESTER E. WILSON,
Dept. X, Orlando, Fla.

FOR SALE—1320 feet Ocean Beach at
\$90 a front foot, consisting of 52 acres,
1320 feet on the wonderful Ocean Beach.
1720 feet deep, adjoining the famous Deer-
field groves and the Orchid Isles Develop-
ment and a short distance from the New
Wabasso Causeway. Terms, \$30,000 down,
balance 1, 2 and 3 years. Title up to date.
Wire, write or phone Geo. Fruin or D. W.
Hogan, with Hoyt E. Morris Co., at Vero
Beach, Florida.

FLORIDA—"The Ante Room to Heaven";
no state, income or inheritance taxes; the
finest year-round climate in the world;
heaviest crops marketed in the winter
months, bringing highest prices in the
frozen Northern markets. We have an in-
vestment, a home, grove or farm for you.
Write today for Free Booklet, "The
Largest Orange Tree in the World," and
new list. Tampa-West Coast Realty Co.
(Inc.), Opp. Postoffice, "Since before the
War," Tampa, Fla.

FLORIDA PROPERTY.

Acreage, Orange Groves, Farm Lands,
Subdivisions and Business Property in the
heart of the state that affords exceptional
opportunities for investments and develop-
ments. Let me act as your broker. I have
long been a resident and know the state
well, and have never recommended to any
purchaser any property that did not enhance
in value. References: Munroe & Chambliss
National Bank, Chamber of Commerce or
any local merchant. C. C. BENNETT,
Simmons Block, Ocala, Fla.

ATTENTION.

OWNERS OF LAND IN FLORIDA.

If you own large tracts of land in Florida,
and are willing to sell at a reasonable price,
give us a full legal description of same and
price desired and we can sell it for you.
Titles to the property must be clear.

We are in constant touch with buyers of
big property, but must have exclusive list-
ings only.

Our reference is The Miami Bank & Trust
Company.

FLORIDA LAND SALES CORPORATION,

524 SEYBOLD BUILDING,

MIAMI, FLA.

"WE KNOW FLORIDA"

FLORIDA INVESTMENTS

MANATEE COUNTY.

The county that stands 7th in production
of fruit and vegetables in the U. S.
A solid foundation back of your invest-
ments—Farm Lands—Business Properties—
Lots or Acreage for Subdivisions.

Full information on request—we can buy
for you and we can resell for profit.

References: Bradenton Bank & Trust Co.

MANATEE LAND SALES CO.,

Bradenton, Fla.

St. Petersburg Office—560 First Ave. North.

FARM, FRUIT AND TRUCK LANDS

MISSISSIPPI

100,000 ACRES CUT-OVER LANDS.

Located north and west of Gulfport.
Priced lowest of any land this near Gulf-
port. Inquiries solicited. We have large
listings of Acreage and Beach Frontage
which will be submitted on request.

LANGFORD, LATHAM & LEA,

Realtors,

Suite 1, Anderson Theater. Phone 449.

GULFPORT, MISS.

NORTH CAROLINA

CHADBURN, the largest strawberry
market, Coxville loam soil the reason; \$1000
often cleared above expenses from one acre.
1925 one man cleared \$9000 on 15 acres.
We have 200-acre farm, every acre Coxville
loam, very low in price, and a 35-acre farm,
same soil. Address FARMER, Box 35,
Chadbourn, N. C.

SOUTH CAROLINA

ISLAND, LAND AND TIMBER.

For Sale—Four thousand-acre island, twen-
ty-one hundred high, one thousand cleared,
fine truck land. Island abounds with deer,
quail and other game, duck pond, high bluffs,
several beautiful old home sites. Located
on South Carolina coast; also other salt-
water frontage, cut-over lands and timber.

J. W. BARNES,

Realtor,

Mendel Building, Savannah, Georgia.

VIRGINIA

HIGH-CLASS FARM Property, just out-
side of good town, with buildings and fences,
well watered, specially adapted and equipped
for dairying; 109 acres in high state fer-
tility. Write for particulars. Owner, Box
67, Clarksville, Va.

BUSINESS OPPORTUNITIES

DEVELOPED BUSINESS PROPERTY;
vacant business property ALONGSIDE that
already improved; Lake and River front
lots for homes are our specialties. These
properties are always good and in demand.

R-E-M-E-M-B-E-R

Florida is daily growing smaller and each
week's passing makes for higher values.
Get your piece now.

CITY REALTY COMPANY,

Jno. F. Pearson, Prop.,

7 Ball Building Sanford, Fla.

I OWN 22,000 acres of land on the
plateau of Raccoon Mountain, 15 miles from
Chattanooga, Tennessee. This mountain runs
parallel with Lookout Mountain and the
plateau is from six to nine miles from the
east brow to the west brow. The climate
is ideal and the scenery good. By building
a road up this mountain to connect with
the Chattanooga-Birmingham pike road
would open up one of the largest and most
profitable mountain developments in the
Chattanooga vicinity. If you are interested
in opening up mountain property on a large
scale, I have it and the closest investiga-
tion is invited. For further information
address B. W. Newsom, Mail, P. O. Box
number 9. Telegraph, 225 First National
Bank Building, Chattanooga, Tennessee.

OFFER EXTRAORDINARY.

190 acres, mostly island, in Lake County.
Over 13,000 citrus trees in grove form, very
best proven varieties. Highly developed,
excellent for subdivision, high-grade gentle-
men's estate, hotel, hunting lodges or colony.
Property must be seen to be appreciated.
It cannot be duplicated anywhere. Price
\$275,000. If prepared to handle proposition
this size, you will make no mistake in writ-
ing for full particulars.

E. H. NOTE,
Leesburg, Florida.

BUSINESS OPPORTUNITIES

COMPLETE Modern Coal Operation, electrically equipped, favorable mining conditions. Owner's attention required by other business. Very reasonable price and terms (good securities acceptable as part payment) for quick negotiations direct. Write fully. BOX 1047, CHARLESTON, W. VA.

LOUIS B. BOUCHELLE, JR.,
Lands at New Smyrna, Florida.
BUSINESS PROPERTY that will pay a profitable income upon the principal invested in town that is not dependent upon the tourist rush.

INVEST YOUR time and money in Roanoke, Virginia, a growing industrial city of 70,000 busy people. Feel free to ask me questions—you will be cheerfully answered. I sell Investment and Business Properties—the best kind—in Roanoke. OSCAR A. WALL, with Ellis L. Wright, Realtor, Box 497, Roanoke, Va.

INDUSTRIES WANTED

WANTED—Silk, Hosiery, Woolen, Carpet or Furniture Factory to locate at Elkton, Va., "Shenandoah Valley." Write for full information, CHAMBER OF COMMERCE, Elkton, Va.

ASHBURN, GA.—Population 2500; in the center of the creamery section of Georgia—a gateway to both rail and road to all points in Florida—offers inducement and advantages to factories. Plenty of electric power, reasonable labor, good freight rates. Correspondence invited. Board of Trade.

IF INDUSTRIALLY INTERESTED IN FLORIDA,

Remember, we are engineers. We will render our experience available at your service. Will assist in development of your manufacture or organization. We will extend your manufacture into this ever-growing field of opportunities, will submit survey of the territory most suitable to your problems. General mechanically and chemically allied industries are invited to select our service and interest. We also solicit investment inquiries.
BAJDA, JAMERSON & GILBERT, INC.,
311 Stovall-Nelson Bldg., Tampa, Fla.

INDUSTRIAL PLANTS

FOR SALE.
Brick Manufacturing Plant at Athens, Ga.
U. H. DAVENPORT,
Athens, Ga.

FACTORY BUILDING FOR SALE, HICKORY, N. C., on corner lot, one block from center of town, one from Post Office, one from Railway Stations, windows on four sides, street on two, paved alley other two, steam-heated, electrically equipped, electric elevator, size 50x160 ft., two stories, brick. This building built for Overall plant; is suitable for small manufacturing plant of any kind; plenty of cheap labor; cheap power available. ELLIOTT BUILDING COMPANY, Hickory, N. C.

BUILDING FOR SALE

FOR SALE—Three-story, Mill-Constructed Building, 145x200, located in Atlanta, on Southern Railway, with platform track space for nine cars, equipped with elevator and sprinkler system.
MANGET BROS. CO., Newnan, Ga.

HOTEL SITE

TAMPA, FLORIDA—All-season hotel site, entire block fronting on four streets, 210x-210; three blocks east of Hillsborough Hotel; two blocks from Post Office; on main cross street to Union Station; 99-year lease on 6% basis. Would consider making lease on one-half block. Address Owner, Room 5, Lucas Building, Tampa, Florida.

FACTORY SITES

PORT OF NEW ORLEANS—Industrial Sites fronting Mississippi River; railroad facilities. MERAUX & NUNEZ, 710 New Orleans Bank Bldg., New Orleans, La.

FREE FACTORY SITE for industry employing white labor that will locate at Pittsboro, N. C. Unlimited electric power and plenty of labor available. On Seaboard Air Line R. R.; excellent highways. Kindly communicate with T. A. Thompson, Bynum, N. C.

EXCELLENT FACTORY SITE with long frontage on Main Line of Southern Railway both sides, also sidetracks, flag stop and long frontage on National Highway. Plenty of good water, several hundred acres available; Southern power close by and labor plentiful. The best factory town site we know of in the great Piedmont manufacturing section of N. C. Very reasonable price.
F. C. ABBOTT & CO., Realtors,
Charlotte, N. C.

28 years' experience in North Carolina Real Estate.

I OWN a 7000-acre tract of land and a spur railroad track from the A. G. S. Division of the Southern Railroad Company, running from Rising Fawn, Georgia, one and one-quarter miles east to the foot of Look-out Mountain in Dade County, Georgia. Living conditions at this point are ideal and the situation of the railroad track is ideal for a number of manufacturing plants. I also have at the end of this spur track a limestone rock quarry which in my judgment would qualify for a cement plant. I will lease the limestone quarry on royalty basis or will sell to an outright purchaser, or to anyone who will be interested in the quarry as a cement proposition or as crushed stone. Manufacturing plants in Dade County, Georgia, are exempt from taxation for a period of five years. For further information address B. W. Newsom, Mail, P. O. Box number 9, Telegraph, 225 First National Bank Building, Chattanooga, Tenn.

PATENT ATTORNEYS

PATENTS—Booklet free. Highest references. Best results. Promptness assured. Watson E. Coleman, Patent Lawyer, 644 G St. N. W., Washington, D. C.

PATENT-SENSE. "THE BOOK FOR INVENTORS AND MANUFACTURERS."
Free. Write
LACEY & LACEY,
735 F Street, Washington, D. C.

PATENTS—TRADEMARKS—COPYRIGHTS
Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our inspection and instructions, free. Terms reasonable. Highest references. VICTOR J. EVANS & CO., 712 Ninth, Washington, D. C.

INVENTORS—Send sketch or model of your invention for opinion concerning patentable nature and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. Chand-lee & Chand-lee, 412 Seventh St. N. W., Washington, D. C.

MANUFACTURERS AGENTS WANTED

CALLING ON ARCHITECTS and Contractors to secure sales on newly-developed, high-grade commercial Kalameln Door, sold at prices on which large volume can be developed. No. 6433, care Manufacturers Record.

CALLING ON ARCHITECTS and Contractors to secure sales on steel and galvanized marquis and ornamental iron work. Shops have large capacity.
BOX 505, EVANSVILLE, IND.

AGENCIES WANTED

MANUFACTURER'S AGENCY covering Florida would like to secure accounts of responsible manufacturers of structural steel and other building materials. Address GENERAL TRADING CO., De Soto Hotel Block, Tampa, Fla.

SITUATIONS WANTED

SALES EXECUTIVE.

Sales Manager of Northern structural fabricating plant producing thirty thousand tons annually desires change. Nine years with present connection, where sales increased from twenty-five hundred tons to present capacity. Available after April 1. Address No. 6559, Manufacturers Record.

WITH BUSINESS HOUSE dealing with Spanish-America, a technical university graduate, resident for over seven years in Spanish America, experienced in personal solicitation, in direct mail advertising and in details of office management; terse, forceful writer; desires position as Secretary or Assistant to President or Manager. Address No. 6558, Manufacturers Record.

WORKS MANAGER or Superintendent with wide experience and exceptional training in every department of modern machine shop of medium or heavy work, capable of taking entire charge of plant, including costs. Experience in general work and manufacturing in quantity production, such as machine tools, centrifugal and reciprocating pumps. Address No. 6561, care Manufacturers Record, Baltimore, Md.

MEN WANTED

SALESMEN WANTED—Our proposition offers greatest earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation.
American Security Credit Company,
General Offices,
St. Louis, Mo.

WANTED — HIGH-GRADE SALESMEN AND SALES AGENTS CAPABLE OF REPRESENTING A NATIONALLY KNOWN QUALITY BRAND OF TECHNICAL PAINT SPECIALTIES, EXCLUSIVELY OR IN CONJUNCTION WITH SOME OTHER LINE. FULL INFORMATION AS TO EXPERIENCE, PRESENT CONNECTIONS AND REFERENCES REQUIRED. ADDRESS No. 6483, CARE OF MANUFACTURERS RECORD, BALTIMORE, MD.

WANTED—Mechanical or electrical engineer by large manufacturing plant in Virginia. Prefer technical graduate 28 to 34 years of age. Industrial plant experience desirable, but not essential, the main qualifications being initiative, self-reliance, ability to handle men and agreeable personality. Starting salary about \$250 per month. Excellent opportunity to right man. No attention will be given to inquiries unless experience is given in detail and references furnished. Address No. 6557, care Manufacturers Record, Baltimore, Md.

SALARIED POSITIONS \$2500 to \$25,000, upward; executive, technical, administrative, engineering, manufacturing, professional, financial, etc., all lines. If qualified and receptive to tentative offers you are invited to communicate in confidence with the undersigned, who will conduct preliminary negotiations. A method is provided through which you may receive confidential overtures without jeopardizing present connections, and in a manner conforming strictly to professional ethics. Established 1910. Send name and address only for preliminary particulars. No obligation. R. W. Bixby, Inc., 268 Main St. (Suite 803), Buffalo, N. Y.

MACHINERY AND SUPPLIES

FOR SALE—1 No. 21-E Smith Paver, new 1925; 1 No. 21-E Koehring Paver.
D. C. ELPHINSTONE, INC.,
120 S. Calvert St., Baltimore, Md.

FOR SALE—Newman Grille Watch-Clock, nine stations, complete with keys and boxes. Used only three months. In perfect condition. Price, \$35. H. L. Barrow, 360 North Michigan Avenue, Chicago, Ill.

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